SONY

4-181-572-**11**(1)

Mini HI-FI Component System

Operating Instructions
MHC-GZR333i
LBT-LCD77Di

Printed in China

http://www.sony.net/

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WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc. Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

CAUTION

The use of optical instruments with this product will increase eye hazard.

This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

Notice for the customers in the U.S.A. and Canada

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner's Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____
Serial No. _____

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

The following FCC statement applies only to the version of this model manufactured for sale in the U.S.A. Other versions may not comply with FCC technical regulations.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

About product registration (for U.S. customers only)

Proper registration will enable us to send you periodic mailings about new products and other important announcements. Registering your product will also allow us to contact you in the unlikely event that it will need adjustment or modification. Please take the time to register your new product at our website:

http://www.sony.com/productregistration

You will find the product serial number on the main unit and the carton box.

If you have any operational questions regarding your new purchase, please contact your retailer. For the location of a Sony dealer in your area, or for any other questions, please call 1-800-222-SONY(7669).

About this manual

- The instructions in this manual are for models MHC-GZR333i and LBT-LCD77Di. Each model consists of the following components.

MHC-GZR333i

Main unit:
HCD-GZR333I

Speaker system:
SS-GZR777D (Front speakers)

LBT-LCD77Di

Main unit:
HCD-LCD77DI

Speaker system:
SS-LCD77DI (Front speakers)

In this manual, the MHC-GZR333i is used for illustration purposes unless stated otherwise.

- Icons, such as DVD-V, listed at the top of each explanation indicate what kind of media can be used with the function being explained.
- The Control Menu items may be different depending on the disc.
- The Control Menu items may vary depending on the area.
- The Setup Menu items may be different depending on the area.
- The order of the displayed items may be different from the actual display.
- DivX and MPEG4 video files can only be played back on MHC-GZR333i.
- You can view any video files (including MPEG4 video files) stored in your iPod.

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Playable discs

Type	Disc logo	Characteristics	Icon
DVD VIDEO		• DVD VIDEO • DVD-R/DVD-RW in DVD VIDEO format or video mode • DVD+R/DVD+RW in DVD VIDEO format	DVD-V
VR (Video Recording) mode		• DVD-R/DVD-RW in VR (Video Recording) mode (except for DVD-R DL)	DVD-VR
VIDEO CD		• VIDEO CD (Ver. 1.1 and 2.0 discs) • Super VCD • CD-R/CD-RW/CD-ROM in video CD format or Super VCD format	VIDEO CD
CD		• Audio CD • CD-R/CD-RW in audio CD format	CD

Type	Disc logo	Characteristics	Icon
DATA CD		• CD-R/CD-RW/CD-ROM in DATA CD format, containing MP3 files, JPEG image files, DivX video files and MPEG4 video files, and conforming to ISO 9660 Level 1/Level 2, or Joliet (extended format)	DATA CD
DATA DVD		• DVD-ROM/DVD-R/DVD-RW/ DVD+R/DVD+RW in DATA DVD format, containing MP3 files, JPEG image files, DivX video files and MPEG4 video files, and conforming to UDF (Universal Disk Format)	DATA DVD

- MP3 files: MP3 (MPEG 1 Audio Layer 3) is a standard format defined by ISO (International Organization for Standardization)/MPEG (Moving Picture Experts Group) which compresses audio data. MP3 files must be in MPEG 1 Audio Layer 3 format.
- JPEG image files: JPEG image files must conform to the DCF image file format (DCF "Design rule for Camera File System": Image standards for digital cameras regulated by "Japan Electronics and Information Technology Industries Association" (JEITA)).
- DivX video files: DivX video files must be recorded in DivX format with the extension ".avi" or ".divx". DivX video files can only be played back on MHC-GZR333i.
- MPEG4 video files: MPEG4 video files must be recorded in MP4 file format with the extension ".mp4" or ".m4v". MPEG4 video files can only be played back on MHC-GZR333i.
- ISO 9660: A logical format of files and folders on CD-ROMs, defined by ISO.

Continued

Discs that cannot be played

- CD-ROMs recorded in PHOTO CD format
- DATA CDs recorded in MP3 PRO format
- Data part of CD-Extras[1)]
- Data part of Mixed CDs[2)]
- Super Audio CDs
- DVD Audio discs
- DVD-RAMs
- CPRM compatible DVD-R/RW recorded in Copy-once programs[3)]
- Discs of non-standard shape (for example, heart, square, star)
- Discs that have adhesive tape, paper, or sticker attached to them
- Rental or used discs with attached seals where the glue extends beyond the seal
- Discs that have labels printed using ink that feels tacky when touched

[1)] CD-Extra: This format records audio (AUDIO CD data) on the tracks in session 1 and data on the tracks in session 2.

[2)] Mixed CD: This format records data on the first track and audio (AUDIO CD data) on the second and subsequent tracks of a session.

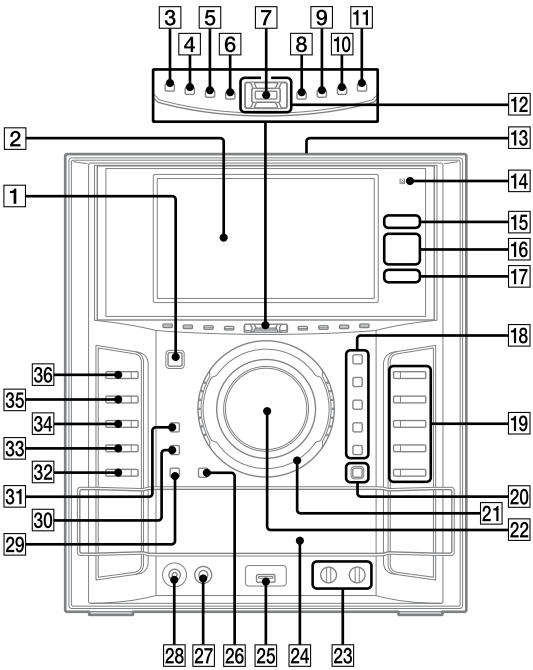
[3)] CPRM: "Content Protection for Recordable Media" is a coding technology that protects copyright for Copy-Once programs.

See "Region code of DVD VIDEOs you can play back on this system" and "Notes on discs" (page 120) regarding the region code and notes on discs.

Guide to parts and controls

This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the unit having the same or similar names.

Main unit



Continued

1

I/⏻ (on/standby) button

Press to turn on or off the system.

STANDBY indicator

Lights up when the system is turned off.

2

Display

3

DISPLAY button (page 32, 97)

Press to display the disc information or clock in the front panel display.

4

OPTIONS button (page 31, 98)

Press to enter the option menus.

5

DVD TOP MENU button (page 37)

Press to display the DVD title on the TV screen.

6

DVD/TUNER MENU button (page 45, 65, 80)

Press to turn on or off the menu items on the TV screen.
Press to preset the radio station.

7

ENTER button

Press to enter the settings.

8

RETURN button (page 46, 82)

Press to return to the previous menu on the TV screen.

9

DISPLAY button (page 34, 129)

Press to turn on or off the Control Menu on the TV screen.
The Control Menu is displayed only when the "DVD" function or "USB" function is selected.

10

CLEAR button (page 46, 51, 76, 84)

Press to delete a pre-programmed track.
Press to erase files or folders from the connected optional USB device.
Press to return to the original display when viewing the rotated image.
Press to switch the TV's input source to "COMPONENT 3" while using "THEATRE SYNC."

11

LCD DISPLAY ON/OFF button

Press to turn on or off the front panel display.

12

↑/↓/←/→ button

Press to select the menu items.

13

iPod Dock (page 26)

Place an iPod into the iPod Dock to enjoy audio and video contents stored in the iPod.

14

Remote sensor

15

TIMER indicator

Lights up when the Play Timer or Rec Timer is set, and flashes when the Sleep Timer is set.

16

Dolby D (Dolby Digital) indicator DTS indicator

Indicates the current surround format.

17

USB MEMORY indicator

Lights up when the USB device is recognized.

18

DISC 1 — DISC 3* button (page 38, 74)

Press to select a disc.
Press to switch to the "DVD" function from other function.
Lights up when a disc is in the disc tray, and flashes when the disc tray is selected.

OPEN/CLOSE ⏏ button

Press to load or eject a disc.

DISC SKIP/EX-CHANGE button (page 36, 38, 74)

Press to select a disc.
Press to exchange a disc while playing.

Continued

19

►* (play) button

Press to start playback.

❚❚* (pause) button

Press to pause playback.

■ (stop) button

Press to stop playback.

◄◄/►► (rewind/fast forward) button

Press to find a point in a track, file, chapter or video file.

◄❚/❚► button

Press to watch the slow-motion play.

TUNING +/— button

Press to tune in the desired station.

20

REC TO USB button (page 74, 78)

Press to transfer music from a disc or record the sound from an analog audio source to the connected USB device.
Press to mark track numbers during recording.

21

OPERATION DIAL (page 37, 65)

Turn to select a track, chapter or video file.
Turn to select the preset station.

22

MASTER VOLUME

Turn to adjust the volume.

23

MIC LEVEL

Turn to adjust the microphone volume.

ECHO LEVEL

Turn to adjust the echo level.

24

Disc tray

25

(USB) port

Connect an optional USB device.

(USB) indicator

Lights up in blue when the system is turned on.
Lights up in red when transferring or recording to the connected optional USB device or when erasing audio files or folders.

26

EQ BAND/MEMORY button (page 88)

Press to select the frequency band when adjusting the equalizer.

27

MIC jack

Connect a microphone.

28

PHONES jack

Connect the headphones.

29

PRESET EQ button (page 87)

Press to select the preset sound effect.

30

SOUND FIELD button (page 89)

Press to select the sound field for the surround sound.

31

GROOVE button (page 87)

Press to reinforce the bass.

32

VIDEO/SAT* button (page 102)

Press to select the "VIDEO" or "SAT" function.

33

TUNER/BAND* button

Press to select the "TUNER" function.
Press to switch among FM and AM band.

34

iPod/OPR* button (page 67, 68)

Press to select the "iPod" function.
Press to switch the operating mode to iPod Display mode or Main Display mode.

Continued

35

USB* button

Press to select the “USB” function.

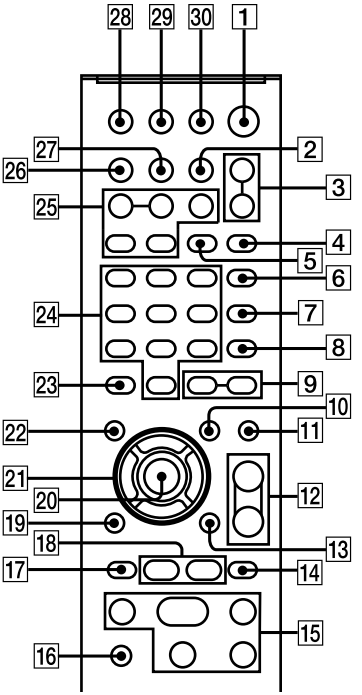
36

DVD* button

Press to select the “DVD” function.

* Lights up when selected.

Remote



1

I/⏻ (on/standby) button

Press to turn on or off the system.

TV I/⏻[1] (on/standby) button

Press to turn on or off the TV.

2

DISC SKIP button (page 38, 74)

Press to select a disc.

3

FUNCTION +/— button

Press to select the "DVD," "USB," "iPod," "TUNER FM," "TUNER AM" or "VIDEO/SAT" function.

4

PICTURE NAVI button (page 45, 81)

Press to display the thumbnail pictures.

5

REPEAT/FM MODE button (page 54, 65, 85)

Press to listen to a disc, a USB device, a single track or file repeatedly.
Press to select FM reception mode (monaural or stereo).

6

AUDIO button (page 40, 90, 99)

Press to select the desired audio signal on the TV screen.

7

SUBTITLE button (page 38)

Press to switch the language of the subtitle (DVD VIDEO only).

D. TUNING button (page 64)

Press to switch to the direct tuning mode.

8

MEMORY SELECT button (page 85)

Press to select the playback source or transferring destination on a Sony Ericsson mobile phone.

ANGLE button (page 38)

Press to change the angle (DVD VIDEO with multi-angles only).

9

+/— button (page 37)

Press to select a folder.

10

DVD/TUNER MENU button (page 45, 65, 80)

Press to turn on or off the menu items on the TV screen.
Press to preset the radio station.

11

SOUND FIELD button (page 89)

Press to select the sound field for the surround sound.

Continued

12

VOLUME +/—[2] button

Press to adjust the volume.

TV VOL +/—[1][2] button

Press to adjust the TV volume.

13

DISPLAY button (page 29, 34, 42, 74, 92)

Press to turn on or off the Control Menu on the TV screen.
The Control Menu is displayed only when the "DVD" function or "USB" function is selected.

14

PRESET + button (page 65)

Press to select the preset station.

▶▶| (go forward) button

Press to select a track, chapter or video file.

TV CH +[1] button

Press to change the TV channels.

15

▷[2] (play) button

Press to start playback.

◀◀/▶▶ (rewind/fast forward) button

Press to find a point in a track, file, chapter or video file.

◀▮ SLOW/SLOW ▮▶ button

Press to watch the slow-motion play.

▮▮ (pause) button

Press to pause playback.

■ (stop) button

Press to stop playback.

TUNING +/— button

Press to tune in the desired station.

16

TV[1] button

Press to operate the TV functions.

17

PRESET — button (page 65)

Press to select the preset station.

⏮ (go backward) button

Press to select a track, chapter or video file.

TV CH —[1] button

Press to change the TV channels.

18

◀II STEP II▶ button (page 37)

Press to play one frame at a time when playback is paused.

ADVANCE •→ button (page 38)

Press to advance the current scene during playback.

←• REPLAY button (page 38)

Press to replay the previous scene during playback.

19

↩ RETURN button (page 46, 82)

Press to return to the previous menu on the TV screen.

20

ENTER button

Press to enter the settings.

21

↑/↓/←/→ button

Press to select the menu items.

22

DVD TOP MENU button (page 37)

Press to display the DVD title on the TV screen.

23

CLEAR button (page 35, 46, 51, 63, 76, 82)

Press to delete a pre-programmed track.
Press to erase files or folders from the connected optional USB device.
Press to return to the original display when viewing the rotated image.
Press to switch the TV's input source to "COMPONENT 3" while using "THEATRE SYNC."

-/--[1] button

Press to enter a single-digit or double-digit number.

Continued

24

Numeric buttons[2)]

Press to select a track, chapter or video file number.
Press to enter a password.

10/0[1)] button

Press to enter a double-digit number.

25

KEY CONTROL ♭/♯ button (page 91)

Press to change the key to suit your vocal range.

SCORE button (page 94)

Press to start or stop calculating your vocal score.

KARAOKE MODE button (page 91)

Press to select the Karaoke mode.

KARAOKE PON button (page 92)

Press to activate the "Karaoke Pon" function.

26

DISPLAY button (page 32, 97)

Press to display the disc information or clock in the front panel display.

27

TIME/TEXT button (page 98)

Press to change the information on the display.

28

TV INPUT[1)] button

Press to switch the input sources.

SLEEP button (page 95)

Press to set the Sleep Timer.

29

TIMER MENU button (page 32, 95)

Press to set the clock and the timers.

30

THEATRE SYNC button (page 35)

Press to activate the "THEATRE SYNC" function.

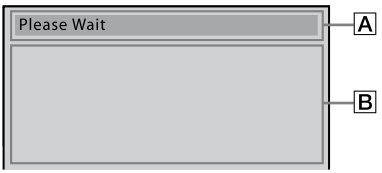
[1] This button is used to operate a Sony TV. For details, see "Operating a Sony TV" (page 31).

[2] The numeric button 5, TV VOL +, VOLUME + and ▷ buttons on the remote have a tactile dot. Use the tactile dot as a reference when operating the system.

Continued

Display

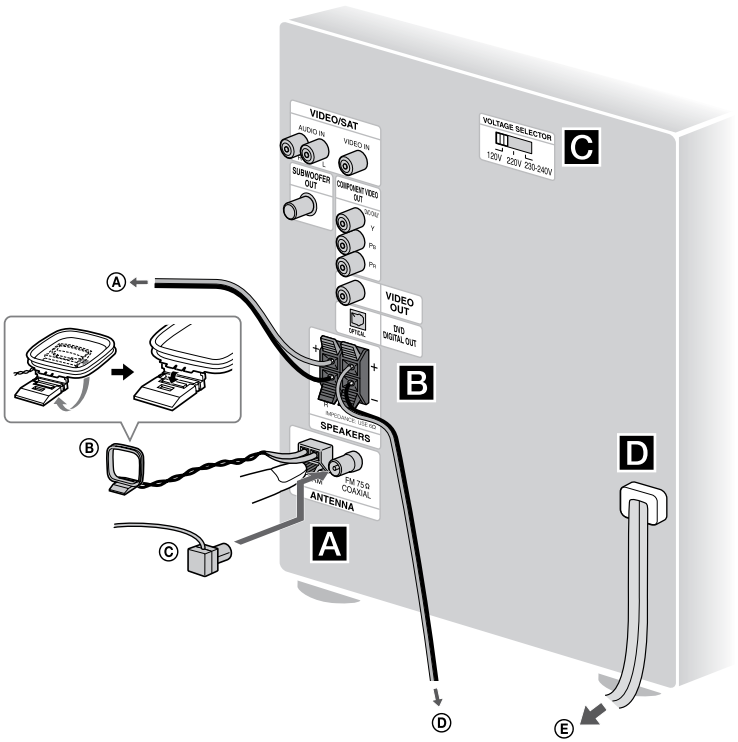
The front panel display is liquid crystal display (LCD). You can confirm contents and the Control Menu displayed on the TV screen in the LCD.
To set the LCD, see “Setting the LCD” (page 31).



A Displays the text information.

B You can confirm contents and the Control Menu displayed on the TV screen.
PICTURE MODE and WIDE MODE menus are displayed when setting the LCD.

Hooking up the system securely



Ⓐ To front speaker (Right)
Ⓑ AM loop antenna
Ⓒ FM lead antenna (Extend it horizontally.)
Ⓓ To front speaker (Left)
Ⓔ To wall outlet

Continued

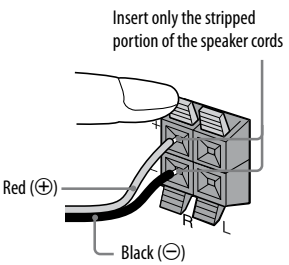
A FM/AM antennas

Find a location and an orientation that provide good reception, and then set up the antenna.
Keep the antennas away from the speaker cords, the power cord and the USB cable to avoid picking up noise.

B Speakers

Insert only the stripped portion of the speaker cords.
The speaker cords are color-coded with their respective speaker terminals.
The type of speakers supplied varies according to the model you purchased.

Front speakers



Note

Be sure to connect the speakers securely and correctly.

C Voltage selector

For models with a voltage selector, set VOLTAGE SELECTOR to the local power line voltage.

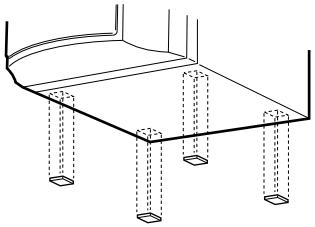
D Power

Connect the power cord to a wall outlet.
The demonstration appears in the display.
When you press **I**/⏻, the system turns on and the demonstration automatically ends.
If the supplied adaptor on the plug does not fit your wall outlet, detach it from the plug (only for models equipped with an adaptor).

Attaching the speaker pads

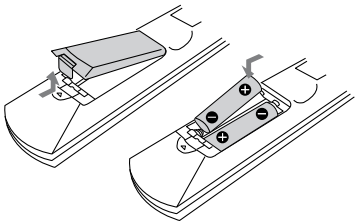
Attach the supplied speaker pads at each corner on the bottom of the speakers to prevent them from slipping.

Front speakers (Left (4)/Right (4))



Inserting batteries

Slide and remove the battery compartment lid, and insert the two supplied R6 (size AA) batteries, ⊖ side first, matching the polarities shown below.



Note

If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Tip

With normal use, the batteries should last for about six months. When the remote no longer operates the system, replace both batteries with new ones.

Continued

When carrying this system

Perform the following procedure to protect the DVD mechanism.
Use buttons on the unit for the operation.

1 Press I/⏻ to turn on the system, then press DVD.

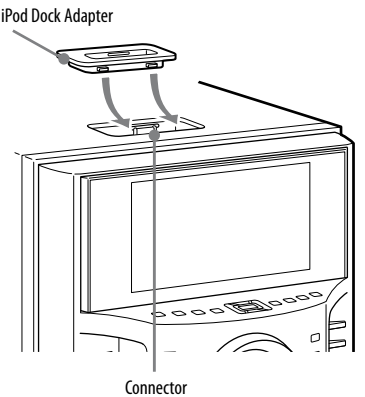
2 Make sure that no disc is loaded in the system and check that "NO DISC" appears.

3 Hold down ►, and then press I/⏻ until "STANDBY" appears in the display. Then, "LOCK" appears in the display.

4 Unplug the power cord.

Using the iPod

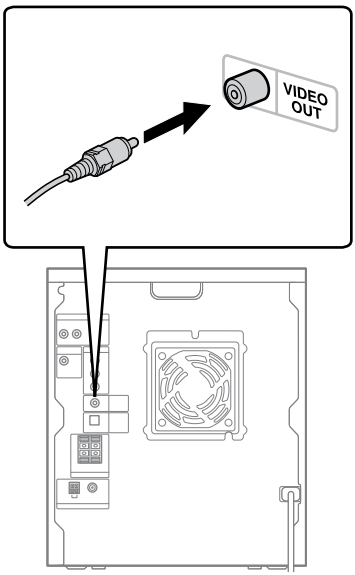
Insert an iPod Dock Adapter into the Dock before use. The iPod Dock Adapter is not supplied with the system. Use an iPod Dock Adapter supplied with your iPod. For details on the iPod Dock Adapter, refer to the user's guide of your iPod.



To remove the iPod Dock Adapter, pull it up with your fingernail or a flat object using the slot inside the adapter.

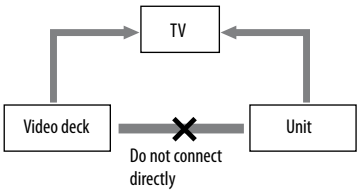
Hooking up the TV

Connect the video input jack of your TV to the VIDEO OUT jack with the supplied video cord.



When connecting a video deck

Connect the video deck to the TV using a video cord (not supplied). However, do not connect this unit to the TV through the video deck. Otherwise, you may experience video leakage when watching video images from this system. Connect this unit directly to the TV as shown below.



When connecting to the COMPONENT VIDEO OUT jack

For higher quality video images, use the optional component video cords to connect the COMPONENT VIDEO input jacks on your TV to the COMPONENT VIDEO OUT jacks of this unit (page 101). If your TV is compatible with progressive format signals, use this connection and set "PROGRESSIVE (COMPONENT OUT)" to "ON" (page 29).

Notes

- You cannot output the video signal from the VIDEO/SAT VIDEO IN jack through the COMPONENT VIDEO OUT jacks of this unit.
- You cannot output the video signal from an iPod through the COMPONENT VIDEO OUT jacks of this unit.

Continued

Changing the color system

(Australian model only)
Set the color system of the DVD and your iPod to PAL or NTSC depending on the color system of your TV.
The default setting for color system is different depending on the area.
Each time you perform the procedure below, the color system changes as follows:
NTSC ⟷ PAL

1 Press I/⏻ to turn on the system.

2 Select the function.

For DVD color system:
Press FUNCTION +/– repeatedly to select "DVD" (or press DVD on the unit).

For iPod color system:
Press FUNCTION +/– repeatedly to select "iPod" (or press iPod/OPR on the unit).

3 Press I/⏻ to turn off the system.

4 Press DISPLAY repeatedly until the clock is displayed.

5 Press I/⏻ on the unit while holding down ❚❚ on the unit.
The system turns on automatically and the color system is changed.
"COLOR NTSC" or "COLOR PAL" (or either "iPod COLOR NTSC" or "iPod COLOR PAL") appears in the display.

Note
You cannot change the color system for any optional component connected to the VIDEO/ SAT VIDEO IN jack.

Changing the format of the video signal output from COMPONENT VIDEO OUT jacks

Progressive is a method for displaying TV images that reduces flickering and sharpens the image. To use this method, you need to connect to a TV that can accept progressive signals.
You can output video signals from COMPONENT VIDEO OUT jacks in Interlace or Progressive format.

1 Press FUNCTION +/— repeatedly to select "DVD" (or press DVD on the unit).

2 Press ▭ DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

3 Press ↑ or ↓ repeatedly to select (SETUP), then press ENTER.
The options for "SETUP" appear.

4 Press ↑ or ↓ repeatedly to select "CUSTOM," then press ENTER.
The Setup Menu appears.

5 Press ↑ or ↓ repeatedly to select "VIDEO SETUP," then press ENTER.
The options for "VIDEO SETUP" appear.

6 Press ↑ or ↓ repeatedly to select "PROGRESSIVE (COMPONENT OUT)," then press ENTER.
The options for "PROGRESSIVE (COMPONENT OUT)" appear.

Continued

7 Press ↑ or ↓ repeatedly to select the desired setting, then press ENTER.

The default setting is underlined.

- OFF: Outputs interlace signals. Select this setting when:
  - your TV does not accept progressive signals.
  - your TV is connected to jacks other than the COMPONENT VIDEO OUT jacks.
- ON: Outputs progressive signals. Select this setting when:
  - your TV accepts progressive signals.
  - your TV is connected to the COMPONENT VIDEO OUT jacks.

When you select "ON," the confirmation display appears. Follow the steps below.

8 Press ← or → repeatedly to select "START," then press ENTER.

The system outputs the progressive signal for 5 seconds. Check that the screen is displayed correctly.

9 Press ← or → repeatedly to select "YES."

The system outputs the progressive signal. When you select "NO," the system does not output the progressive signal.

Note

There would be no image on your TV or the image is not clear if your setting does not match your TV or connection.

When using a TV

Turn on the TV and select the video input so that you can view the pictures from this system.

Operating a Sony TV

You can use the following buttons to operate a Sony TV. These buttons have been marked in yellow.

To	Press
Turn the TV on or off	TV I/⏻ while holding down TV.
Switch the TV's input source between the TV and other input sources	TV INPUT while holding down TV.
Select the TV channels	TV CH +/– or numeric buttons* while holding down TV.
Adjust the volume of the TV speaker(s)	TV VOL +/– while holding down TV.

* For a double-digit number, while holding down TV, press -/--, then press the number. (For example, while holding down TV, press -/--, then 2 and 5 to enter 25.)

Setting the LCD

You can make adjustments to pictures displayed in the LCD.
Use buttons on the unit and confirm operations in the LCD, for the following settings.

Note

Playback settings stored in the disc take priority over the LCD settings. Therefore, some of the LCD settings may not be performed.

1 Press OPTIONS on the unit repeatedly until "PICTURE MODE" or "WIDE MODE" appears in the LCD.

2 Press ↑ or ↓ repeatedly to select the desired setting, then press ENTER.

Continued

Setting the LCD

The default setting is underlined.

PICTURE MODE

Allows you to select options best suited for videos and pictures, respectively.
STANDARD: For standard pictures. Recommended for home entertainment.
VIVID: Enhances picture contrast and sharpness.
CINEMA: For viewing film-based content.
PHOTO: For viewing photographs.

WIDE MODE

FULL: Select this when you view pictures in a 16:9-format. This setting displays pictures in full screen mode.
NORMAL: Select this when you view pictures in a 4:3-format. This setting displays a normal picture with bands on the left and right portions of the screen.

Setting the clock

Use buttons on the remote to set the clock.

1 Press I/⏻ to turn on the system.

2 Press TIMER MENU.
The hour indication flashes in the display.
If "PLAY SET?" flashes in the display, press ↑ or ↓ repeatedly to select "CLOCK SET?," then press ENTER.

3 Press ↑ or ↓ repeatedly to set the hour, and then press ENTER.

4 Use the same procedure to set the minutes.

Note

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

To display the clock when the system is off

Press DISPLAY repeatedly until the clock is displayed.
The clock is displayed for about 8 seconds.

Performing "QUICK" setup

Before using the system, you can make the minimum basic adjustments in "QUICK" setup. If you do not want to perform "QUICK" setup, press CLEAR in step 3. The guide message will disappear from the TV screen.

1 Turn on your TV and select the video input*.

* This step is not required when using the LCD for performing "QUICK" setup.

2 Press I/⏻ to turn on the system.

Notes

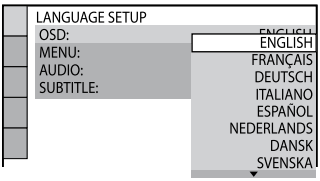
- Make sure there is no disc in the unit. Otherwise, the guide message does not appear.
- Make sure that the headphones or microphones are not connected. Otherwise, you cannot perform "SPEAKER SETUP."

3 Press FUNCTION +/— repeatedly to select "DVD" (or press DVD on the unit).

The guide message appears at the bottom of the TV screen.

4 Press ENTER without loading a disc.

"LANGUAGE SETUP" appears on the TV screen.



5 Press ↑ or ↓ repeatedly to select a language, then press ENTER.

The setting is selected and "VIDEO SETUP" appears on the TV screen.

Tips

- The selected language is for "OSD," "MENU" and "SUBTITLE ."
- The selectable language is different depending on the area.

Continued

6 Press ↑ or ↓ repeatedly to select the setting that matches your TV type.

If you have a 4:3 standard TV:
Select "4:3 LETTER BOX" or "4:3 PAN SCAN" (page 60).

If you have a wide-screen TV or a 4:3 standard TV with wide-screen mode:
Select "16:9" (page 60).

7 Press ENTER.
The setting is selected and "QUICK SETUP is complete." appears on the TV screen.
The system is ready for playback.
If you want to change each setting individually, see "Using the Setup Menu" (page 58).

If you make a mistake

Press ⏮, then select the item again.

To quit "QUICK" setup

Press DISPLAY.

To recall "QUICK" setup settings

1 Press DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (SETUP), then press ENTER.

3 Press ↑ or ↓ repeatedly to select "QUICK," then press ENTER.

Note
The guide message appears at the bottom of the TV screen when you turn on the system for the first time or after performing "RESET" (page 116).

Using the "THEATRE SYNC" function

THEATRE SYNC allows you to turn on your Sony TV and this system, changes the system's function to "DVD" and then switches the TV's input source you have set with just one button.

Preparing to use the "THEATRE SYNC" function

Register the TV's input source connected to this system.

To select the TV's input

Press the following buttons while holding down SLEEP.

Press	TV's input source
0	No input source (Default)
1 to 8	VIDEO 1 to VIDEO 8
9	COMPONENT 1
CLEAR	COMPONENT 2
–	COMPONENT 3
+	COMPONENT 4

The selected TV's input source is memorized into the remote.

Operating the "THEATRE SYNC" function

Keeping the remote pointed in the direction of the TV, press THEATRE SYNC until the TV turns on and the selected input source changes.

If this function does not work, change the transmission time. The transmission time varies depending on the TV.

To change the transmission time

Press the following buttons while holding down ⏭.

Press	Transmission time (seconds)
1	0.5 (Default)
2	1
3	1.5
4	2
5	2.5
6	3
7	3.5
8	4

Note

This function is only for Sony TV series, however, some TV products may also not work.

Disc

Playing a disc

DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

Depending on the DVD VIDEO or VIDEO CD, some operations may be different or restricted. Refer to the operating instructions supplied with the disc.
DivX and MPEG4 video files can only be played back on MHC-GZR333i.

Note on the maximum number of tracks, files and folders on a DATA CD/DVD

This system cannot play a DATA CD/DVD in the following cases.

- When the number of tracks or files on a folder exceeds 150.
- When the number of folders on a disc exceeds 200.

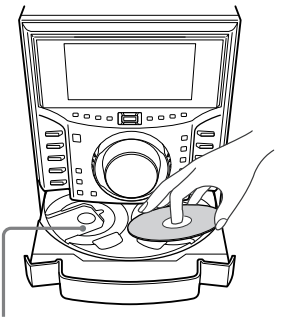
These numbers may vary depending on the track structure, the file structure and the folder structure.

1 Press FUNCTION +/— repeatedly to select "DVD" (or press DVD on the unit).

2 Press OPEN/CLOSE ⏏ on the unit.

3 Load a disc with the label side facing up on the disc tray.

To load additional discs, press DISC SKIP/EX-CHANGE on the unit to rotate the disc tray.



When you play back an 8 cm disc such as a CD single, place it on the inner circle of the tray.

4 Press OPEN/CLOSE ⏏ on the unit to close the disc tray.

Do not forcibly push the disc tray to close it as this may cause a malfunction.
If the playback does not start automatically, press ▷ (or ► on the unit).

5 Press VOLUME +/— (or turn MASTER VOLUME on the unit) to adjust the volume.

Note

Depending on the system status, the volume level may not appear on the TV screen.

Other operations

To	Do this
Stop playback	Press ■. To resume playback where you stopped the disc, press ▷ (or ► on the unit). To play back from the beginning of the disc, press ■ twice, then press ▷ (or ► on the unit).
Pause playback	Press ❚❚[1]. Press ❚❚ again or press ▷ (or ► on the unit) to resume playback.
Select a track, audio file, chapter or video file[2]	Press ⏮ or ⏭ repeatedly (or turn OPERATION DIAL on the unit clockwise or counterclockwise) during playback. Or, press the numeric buttons when the Control Menu is turned off, then press ENTER[3].
Select a title[4]	Press DVD TOP MENU, then press ↑/↓/←/→ or numeric buttons.
Select a folder[5]	Press 🗀 +/− repeatedly during playback or when playback is paused.
Locate a point quickly in fast forward or fast reverse (Lock Search)[6]	Press ◀◀ or ▶▶ during playback. Each time you press ◀◀ or ▶▶, the playback speed changes cyclically[7]. To return to normal playback, press ▷ (or ► on the unit).
Watch frame by frame (Slow-motion Play)[8]	Press ◄❚ SLOW[9] or SLOW ❚► (or either ◄❚[9] or ❚► on the unit) when playback is paused. Each time you press ◄❚ SLOW or SLOW ❚►, the playback speed changes. To return to normal playback, press ▷ (or ► on the unit).
Play one frame at a time (Freeze Frame)[8]	Press ◀❚❚ STEP[9] or STEP ❚❚► to reverse or advance frame by frame when playback is paused. Each time you press ◀❚❚ STEP or STEP ❚❚►, the frame changes. To return to normal playback, press ▷ (or ► on the unit).

Continued ⇨

To	Do this
Replay the previous scene (Instant Replay)[10]	Press ←• REPLAY during playback.
Briefly fast forward the current scene (Instant Advance)[10]	Press ADVANCE •→ during playback.
Change the angle[11]	Press ANGLE repeatedly during playback. Each time you press ANGLE, the angle changes.
Display the subtitle	Press SUBTITLE repeatedly during playback. Each time you press SUBTITLE, the subtitle language changes[12] or turns off[13].
Select a disc	Press DISC SKIP (or one of DISC 1 — DISC 3 on the unit).
Switch to "DVD" function from another source	Press one of DISC 1 — DISC 3 on the unit (Automatic Source Selection).
Exchange other discs while playing	Press DISC SKIP/EXCHANGE on the unit.

[1] There may be some disturbance in the video image.

[2] Except for JPEG image files. You cannot select an audio track or file during Lock Search operation of MP3 files.

[3] DVD VIDEO, DVD-R/-RW in VR mode, VIDEO CD, AUDIO CD and video files only.

[4] DVD VIDEO only.

[5] MP3 files, JPEG image files, DivX video files and MPEG4 video files only.

[6] Except for JPEG image files.

[7] Depending on the disc, the actual speed may differ.

[8] DVD VIDEO, DVD-R/-RW in VR mode, video files and VIDEO CD only.

[9] Except for VIDEO CD and video files.

[10] DVD VIDEO and DVD-R/-RW in VR mode only.

[11] Multi-angle DVD VIDEO only.

[12] For DVD VIDEO, DVD-R/-RW in VR mode or DivX video files with multilingual subtitles.

[13] For DVD VIDEO, DVD-R/-RW in VR mode or DivX video files with subtitles.

Notes

- You cannot perform resume playback during Shuffle Play or Program Play.
- Resume playback may not work properly with some discs.
- Resume playback is canceled when
  - you press ■ when playback is stopped.
  - you open the disc tray.
  - you change the function.
  - you change the settings in the Setup Menu.
  - you changed the "PARENTAL CONTROL" level.
- You cannot search for a still picture on a DVD-R/-RW in VR mode.
- You may not be able to use the Instant Replay or Instant Advance function in Repeat Play mode or with some scenes.
- Depending on the DVD VIDEO, you may not be able to change the angle, even if multi-angles are recorded on the DVD VIDEO.
- Depending on the DVD VIDEO, you may not be able to change the subtitles even if multilingual subtitles are recorded on the DVD VIDEO. You also may not be able to turn the subtitles off.
- You can change the subtitles if the DivX video file has an ".avi" or ".divx" extension and contains subtitle information within the same file.

On Multi-disc Resume

(DVD VIDEO and VIDEO CD only)
This system can store the point where you stopped the playback of the disc for up to 6 discs and resumes playback when you insert the same disc again. If you store a playback resume point for the 7th disc, the playback resume point for the first disc will be deleted.
The default setting is "ON." To turn off this function, set "MULTI-DISC RESUME" in "SYSTEM SETUP" to "OFF" (page 63).

Notes

- If "MULTI-DISC RESUME" in "SYSTEM SETUP" is set to "ON" and you play back a recorded disc such as DVD-R, the system may play back other recorded discs from the same playback resume point. To start playback from the beginning of the disc, press ■ twice and then press ▷ (or ► on the unit).
- The playback resume point is deleted when the power cord is disconnected.

Continued

Changing the language/sound

Press AUDIO repeatedly during playback to select the desired audio format or mode.

The default setting is underlined.

When playing a DVD VIDEO:

Depending on the DVD VIDEO, the option of language and audio format varies.

When a 4-digit number is displayed, the digits represent a language code (see "Language code list" (page 134)). When the same language is displayed two or more times, the DVD VIDEO is recorded in multiple audio formats. Note that the sound changes automatically depending on the disc.

Some DVD VIDEOs allow you to select items such as the language for the subtitles and the language for the sound using DVD/TUNER MENU.

When playing a DivX video file (MHC-GZR333i only):

The options for audio format differ depending on the DivX video files.

When playing a DVD-R/-RW in VR mode:

The number of audio tracks recorded on a disc are displayed.

Example:

- 1: MAIN: the main sound of the audio track 1.
- 1: SUB: the sub sound of the audio track 1.
- 1: MAIN+SUB: the main and sub sound of the audio track 1.
- 2: MAIN*: the main sound of the audio track 2.
- 2: SUB*: the sub sound of the audio track 2.
- 2: MAIN+SUB*: the main and sub sound of the audio track 2.

* These items do not appear if only one audio stream is recorded on the disc being played back.

When playing a VIDEO CD, AUDIO CD, or MP3 file:

You can select the sound from the right or left channel and listen to the sound of the selected channel through both the right and left speakers. For example, when playing a track with the vocals on the right channel and the instruments on the left channel, you can hear the instruments from both speakers by selecting the left channel.

- STEREO: the standard stereo sound.
- 1/L: the sound of the left channel (monaural).
- 2/R: the sound of the right channel (monaural).

When playing a Super VCD:

- 1: STEREO: the stereo sound of the audio track 1.
- 1: 1/L: the sound of the left channel of the audio track 1 (monaural).
- 1: 2/R: the sound of the right channel of the audio track 1 (monaural).
- 2: STEREO: the stereo sound of the audio track 2.
- 2: 1/L: the sound of the left channel of the audio track 2 (monaural).
- 2: 2/R: the sound of the right channel of the audio track 2 (monaural).

Note

While the system is playing a Super VCD on which the audio track 2 is not recorded, no sound will come out when you select "2: STEREO," "2: 1/L" or "2: 2/R."

Playing VIDEO CDs with PBC functions (PBC Playback) (Version 2.0)

VIDEO CD

You can use the PBC (Playback Control) menus included on the VIDEO CDs (Version 2.0 only) on your TV screen to enjoy the disc's interactive software. The menu format and structure may differ depending on each disc.

1 Press ▷ (or ► on the unit) to start playing a VIDEO CD.

The PBC menu appears on the TV screen. Depending on the VIDEO CD, the menu may not appear.

2 Press the numeric buttons to select the desired item number.

3 Press ENTER.

Depending on the VIDEO CD, "Press ENTER" may appear as "Press SELECT" in the operating instructions supplied with the disc. In this case, press ▷ (or ► on the unit).

Continued

4 Continue playback according to the instructions on the menus.

Refer to the operating instructions supplied with the VIDEO CD, as the operating procedure may differ depending on the VIDEO CD.

Note

PBC playback is canceled when Shuffle Play, Program Play or Repeat Play is activated.

To cancel playback with PBC functions

1 Press ⏮ or ⏭ repeatedly or press the numeric buttons to select a track when playback is stopped.

2 Press ▷ (or ► on the unit) or ENTER.

Playback starts from the selected track. Still images, such as the menu screens, will not be shown.

To return to PBC playback, press ■ twice, then press ▷ (or ► on the unit).

Selecting "ORIGINAL" or "PLAY LIST"

DVD-VR

This function is only available for DVD-Rs/-RWs in VR mode with a playlist created.

1 Press DISPLAY when playback is stopped.

The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (ORIGINAL/PLAY LIST), then press ENTER.

The options for "ORIGINAL/PLAY LIST" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.

- PLAY LIST: play back according to the playlist created on the disc.
- ORIGINAL: play back according to the originally recorded sequence.

4 Press ENTER.

Searching for items on a disc by the assigned numbers

DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

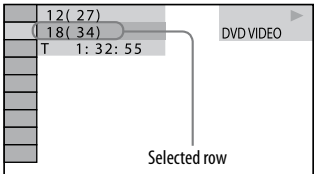
You can search by different information recorded on a disc, such as title, track, scene, file, and folder. Each item is assigned a unique number on the disc, and you can select the numbered item you want from the Control Menu. You can also search for a particular point using the time code (Time Search) (DVD VIDEO and DVD-R/-RW in VR mode only).

1 Press DISPLAY.

The Control Menu appears on the TV screen.
If "MEDIA" is set to "MUSIC/PHOTO" and "FILE" does not appear in the Control Menu, press DISPLAY again.

2 Press ↑ or ↓ repeatedly to select the search item.

Example: when you select (CHAPTER)
"** (**)" is selected (** refers to a number). The number in parentheses indicates the total number of titles, chapters, tracks, index, scenes, folders or files.



3 Press ENTER.

"** (**)" change to "– – (**)."

4 Press ↑ or ↓ repeatedly or the numeric buttons to select the title, track, folder or file, etc.

If you make a mistake, press CLEAR to cancel the number.

5 Press ENTER.

The system starts playback from the selected title, track, folder or file, etc.

Tip

When the Control Menu display is turned off, you can search for a chapter (DVD VIDEO and DVD-R/-RW in VR mode) or track (AUDIO CD and VIDEO CD) or file (video files in DATA CD/DVD) by pressing the numeric buttons and ENTER.

Continued

To search for a particular point using the time code (Time Search)

(DVD VIDEO and DVD-R/-RW in VR mode only)

1 Press DISPLAY.

2 Press ↑ or ↓ repeatedly to select (TIME).
"T **:**:**" (elapsed playing time of the current title) is selected.

3 Press ENTER.
"T **:**:**" changes to "T--:--:--."

4 Input the time code using the numeric buttons, then press ENTER.
For example, to find the scene at 2 hours, 10 minutes, and 20 seconds after the beginning, enter "21020."
If you make a mistake, press CLEAR to cancel the number.

Note

Depending on the disc, you cannot perform Time Search.

Selecting a folder/file using the on-screen display

DATA CD DATA DVD

DivX and MPEG4 video files can only be played back on MHC-GZR333i.

1 Load a disc on the disc tray.
"FOLDER LIST" appears on the TV screen.

2 Press DISPLAY.
The Control Menu appears on the TV screen.

3 Press ↑ or ↓ repeatedly to select * (MEDIA), then press ENTER.
The options for "MEDIA" appear on the TV screen.

* appears on LBT-LCD77Di.

- MUSIC/PHOTO: for playing both MP3 files and JPEG image files in the same folder as a slide show
- MUSIC: for playing MP3 files
- VIDEO[1)]: for playing DivX video files or MPEG4 video files
- PHOTO: for playing JPEG image files

1) MHC-GZR333i only.

4 Press ↑ or ↓ repeatedly to select the desired option, then press ENTER. When the desired option has already been selected, press DVD/TUNER MENU.
A list of folders that contains the files of the selected file type appears on the TV screen.

5 Press ↑ or ↓ repeatedly to select a folder.

Playing a folder:
Press ▷ (or ► on the unit).
The system starts playback from the first file of the selected folder.
To stop playback, press ■.

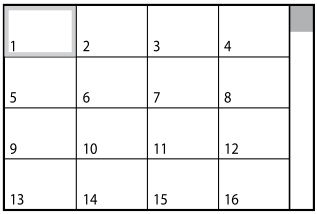
Playing an MP3 file:

1 Press ENTER.
"TRACK LIST" appears.

2 Press ↑ or ↓ repeatedly to select the desired MP3 file, then press ENTER.
The system starts playing the selected MP3 file.
To stop playback, press ■.

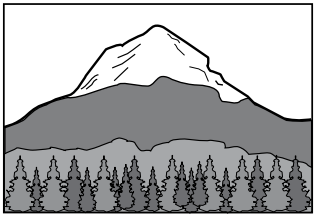
Playing an image file:

1 Press PICTURE NAVI.
Thumbnail picture for the first 16 JPEG image files in the selected folder is displayed.



If there are more than 16 image files in the selected folder, the scroll bar appears at the right.

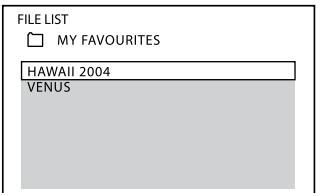
2 Press ↑/↓/←/→ repeatedly to select the image you want to view, then press ▷ (or ► on the unit).
The slide show starts from the selected image file.
To stop playback, press ■.
The slide show stops when you press ↑ or ↓.



Continued

Playing a video file:

1 Press ENTER.
"FILE LIST" appears.



2 Press ↑ or ↓ repeatedly to select the desired video file, then press ENTER.
The system starts playback of the selected video file.
To stop playback, press ■.

Other operations

To	Do this
Display the next or previous page of "TRACK LIST," "FOLDER LIST" or "FILE LIST"	Press ←• or •→ repeatedly.
Play back the next folder of MP3 files or video files	Press ▶▶I repeatedly until the last file of the current folder, then press ▶▶I once. To select the previous folder, select the folder from "FOLDER LIST."
Return to "FOLDER LIST" when "TRACK LIST," or "FILE LIST" is displayed	Press ↶ RETURN.
Play back the next folder of JPEG image files	Press → repeatedly until the last file of the current folder, then press → once. To select the previous folder, select the folder from "FOLDER LIST."
Rotate the image by 90 degrees	Press ↑ or ↓ repeatedly while viewing an image. To return to the original view, press CLEAR.

Notes

- The system can play back MP3 files and JPEG image files. The system will play back any data with the extension ".mp3", ".jpg" or ".jpeg" even if they are not in MP3 or JPEG format. Playing this data may generate a loud noise which could damage your speaker system.
- Depending on the encoding/writing software, recording device, or the recording media used to record an MP3 file, you may encounter problems such as cannot play back, sound interruptions and noise.
- The following discs/situations can increase the time it takes to start playback:
  - a disc recorded with a complicated tree structure.
  - a disc recorded in Multi Session.
  - a disc to which data can be added (non-finalized disc).
  - when the tracks or files in another folder have just been played back.
- Some CD-Rs/-RWs or DVD-Rs/-RWs/+Rs/+RWs cannot be played back on the system depending on the file format.
- The system can play back to a depth of 8 folders only.
- The system may not play certain types of JPEG image files (ex. a JPEG image file that is less than 8 (width) × 8 (height) pixels).
- When you press ← or → to select the next or previous image, the image will return to its original view even if you have rotated the image previously.
- The slide show stops when you press ↑ or ↓.
- The system may not play back a video file when the file has been combined from two or more video files.
- The system cannot play back any video file that is more than 720 (width) × 576 (height) pixels in resolution or 2 GB in file size or larger.
- Depending on the video file, the picture may be unclear or the sound may skip.
- The system cannot play back some video files that are longer than 3 hours.
- Depending on the video file, the picture may pause or be unclear. In this case, it is recommended that you create the file at a lower bit rate.
- Due to the compression technology used for video files, it may take some time after you press ▷ for the picture to appear.
- Depending on the video file, the sound may not match the pictures on the screen.

Continued ⇨

Tip

If the number of viewing times has been preset, you can play back the DivX video files as many times as the preset number. The following occurrences are counted:

– when the system is turned off.
– when the disc is removed.
– when another video file is played back.

To play MP3 files and JPEG image files as a slide show with sound

(DATA CD and DATA DVD only)
You can play back a slide show with sound by first placing both JPEG image files and MP3 files in the same folder on a DATA CD/DVD.

1 Press DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select * (MEDIA), then press ENTER.
The options for "MEDIA" appear on the TV screen.
* appears on LBT-LCD77Di.

3 Press ↑ or ↓ repeatedly to select "MUSIC/PHOTO," then press ENTER.
When "MUSIC/PHOTO" has already been selected, press DVD/TUNER MENU.
"FOLDER LIST" appears on the TV screen.

4 Press ↑ or ↓ repeatedly to select the desired folder, then press ▷ (or ► on the unit).
The slide show with sound starts from the selected folder.
To stop playback, press ■.
To cancel the slide show with sound, select "MUSIC" or "PHOTO" in step 3.

Note

If you play back a large data size of MP3 files and JPEG image files at the same time, the sound may skip.

To specify the slide show speed

(JPEG image files only)

1 Press DISPLAY.
The Control Menu appears on the TV screen.
If "MEDIA" is set to "MUSIC/PHOTO" and "INTERVAL" does not appear in the Control Menu, press DISPLAY again.

2 Press ↑ or ↓ repeatedly to select (INTERVAL), then press ENTER.
The options for "INTERVAL" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired transition interval.
The default setting is underlined.
- NORMAL: Sets to the standard duration.
- FAST: Sets the duration shorter than "NORMAL."
- SLOW 1: Sets the duration longer than "NORMAL."
- SLOW 2: Sets the duration longer than "SLOW 1."

4 Press ENTER.
The selected setting takes effect.

Note

Some JPEG image files (especially progressive JPEG image files or JPEG image files with 3,000,000 pixels or more) may take a longer time to display than others, which may make the transitions seem longer than that of the option you selected.

To select a transition effect for image files in the slide show

(JPEG image files only)

1 Press DISPLAY.
The Control Menu appears on the TV screen.
If "MEDIA" is set to "MUSIC/PHOTO" and "EFFECT" does not appear in the Control Menu, press DISPLAY again.

2 Press ↑ or ↓ repeatedly to select (EFFECT), then press ENTER.
The options for "EFFECT" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.
The default setting is underlined.
- MODE 1: The image sweeps in from top to bottom of the screen.
- MODE 2: The image sweeps in from left to right of the screen.
- MODE 3: The image stretches out from the center of the screen.
- MODE 4: The image randomly cycles through the effects.
- MODE 5: The next image slides over the current image.
- OFF: Turns off this function.

4 Press ENTER.
The selected setting takes effect.

Continued

To select playback priority of the file type

You can select playback priority when mixed media (MP3 files, JPEG image files or video files) are in the disc.

1 Press DISPLAY.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select * (MEDIA), then press ENTER.
The options for "MEDIA" appear on the TV screen.
* appears on LBT-LCD77Di.

3 Press ↑ or ↓ repeatedly to select the desired setting.
- MUSIC/PHOTO: You can play back a slide show with sound, when MP3 files and JPEG image files are in the same folder.
- MUSIC: MP3 file playback has priority.
- VIDEO[1)]: Video file playback has priority.
- PHOTO: JPEG image file playback has priority.

1) MHC-GZR333i only.

4 Press ENTER.
The selected setting takes effect.
For further details of the playback priority of file types, see page 133.

Using play mode

Creating your own program (Program Play)

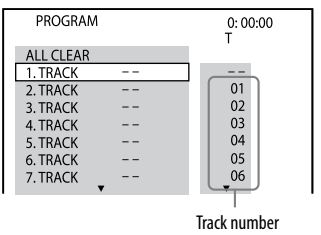
VIDEO CD CD

You can make a program of up to 99 steps in the order you want them to be played back.
You can only program the tracks from the current disc.

1 Press DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

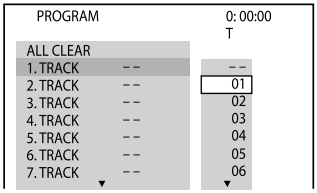
2 Press ↑ or ↓ repeatedly to select (PROGRAM), then press ENTER.
The options for "PROGRAM" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select "SET →," then press ENTER.



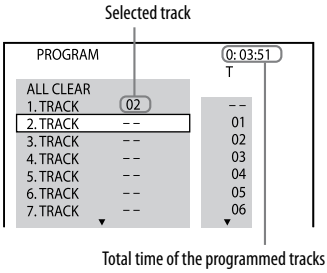
4 Press →.

The cursor moves to the track list "T" (in this case, "01").



5 Select the track you want to program.

For example, select track "02."
Press ↑ or ↓ repeatedly to select "02" under "T," then press ENTER.



6 To program other tracks, repeat steps 4 and 5.

7 Press ▷ (or ► on the unit).

Program Play starts.
When the Program Play ends, you can restart the same program by pressing ▷ (or ► on the unit).

To change a programmed step:
Press ↑ or ↓ repeatedly to select the programmed step number you want to change. Then, press → and select the desired track number.

To delete a programmed step:
Press ↑ or ↓ repeatedly to select the programmed step number you want to delete. Then, press CLEAR.

To delete all of the programmed steps in the program list:
Press ↑ to select "ALL CLEAR." Then, press ENTER.

To cancel Program Play

Press CLEAR or select "OFF" in step 3.
To play back the same program again, select "ON" in step 3 and press ENTER.

Continued

Notes

- When Program Play is activated, the "REPEAT" setting is automatically changed to "ON" if the current setting is "ALL DISCS," "ONE DISC" or "TRACK."
- You cannot perform Program Play with VIDEO CDs during PBC playback.

Tip

The Program Play is canceled and the program list is cleared when

- you open the disc tray.
- you change the disc.
- you turn off the system.
- you change the function.

Playing in random order (Shuffle Play)

VIDEO CD | CD | DATA CD | DATA DVD

You can play back the tracks on the current disc in random order. Each time you perform Shuffle Play, the playing order may differ.
Shuffle Play is only available for the tracks on the current disc.

1 Press DISPLAY.

The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (SHUFFLE), then press ENTER.

The options for "SHUFFLE" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.

When playing a VIDEO CD or AUDIO CD:

- TRACK: all tracks on the current disc are played back randomly.

When Program Play is activated:

- ON: all tracks in the program list are played back randomly.

When playing a DATA CD/DVD (except for video files):

- ON (MUSIC): all MP3 files in the selected folder on the current disc are played back randomly.
  When no folder is selected, the first folder is played back randomly.

4 Press ENTER.

5 Press ▷ (or ► on the unit).
Shuffle Play starts.
To cancel Shuffle Play, press CLEAR or select "OFF" in step 3.

Notes

- You cannot perform Shuffle Play with VIDEO CDs during PBC playback.
- The same song may be played back repeatedly for MP3 files.

Tip

Shuffle Play is canceled when

- you open the disc tray.
- you change the disc.
- you turn off the system.
- you change the function.
- you perform Track/Index Search.
- you perform USB TRANSFER.
- you transfer music from a disc to a USB device.

Playing repeatedly (Repeat Play)

DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

You can play the contents on a disc repeatedly.
You can also repeat Shuffle Play or Program Play.

1 Press DISPLAY.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (REPEAT), then press ENTER.
The options for "REPEAT" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.
The default setting is underlined.

When playing a DVD VIDEO or DVD-R/DVD-RW in VR mode:

- OFF: does not play back repeatedly.
- ALL DISCS: repeats all discs.
- ONE DISC: repeats all the titles on the current disc.
- TITLE: repeats the current title.
- CHAPTER: repeats the current chapter.

Continued

When playing a VIDEO CD or AUDIO CD:

- OFF: does not play back repeatedly.
- ALL DISCS: repeats all discs.
- ONE DISC: repeats all the tracks on the current disc.
- TRACK: repeats the current track.

When playing a DATA CD or DATA DVD:

- OFF: does not play back repeatedly.
- ALL DISCS: repeats all discs.
- ONE DISC: repeats all the folders on the current disc.
- FOLDER: repeats the current folder.
- TRACK[1)]: repeats the current audio file.
- FILE[2)]: repeats the current file.

[1)] MP3 files only.

[2)] Video files only.

When Program Play or Shuffle Play is activated:

- OFF: does not play back repeatedly.
- ON: repeats the Program Play or Shuffle Play.

4 Press ENTER.

5 Press ▷ (or ► on the unit).

Repeat Play starts.
To cancel Repeat Play, press CLEAR or select "OFF" in step 3.

Notes

- You can also change the Repeat Play setting by pressing REPEAT/FM MODE repeatedly.
- Depending on the DVD VIDEO, you cannot perform Repeat Play.
- You cannot perform Repeat Play with VIDEO CDs during PBC playback.
- When playing a DATA CD/DVD which contains MP3 files and JPEG image files, the audio sound will not match the image if their playing time are different.
- Repeat Play is canceled when
  - you open the disc tray.
  - you change the disc (except when "ALL DISCS" is selected).
  - you turn off the system.
  - you change the function (except when "ALL DISCS" is selected).
  - you perform USB TRANSFER.
  - you transfer music from a disc to a USB device.

Adjusting the delay between the picture and sound ("A/V SYNC")

DVD-V DVD-VR VIDEO CD DATA CD DATA DVD

When the sound does not synchronize with the pictures on the screen, you can adjust the delay between the picture and sound.
"A/V SYNC" does not work for MP3 files and JPEG image files in DATA CD/DVD.

1 Press DISPLAY.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (A/V SYNC), then press ENTER.
The options for "A/V SYNC" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.
The default setting is underlined.
- OFF: Does not adjust.
- ON: Adjusts the difference between picture and sound.

4 Press ENTER.

Note
Depending on the input stream, this function may not be effective.

Restricting playback of the disc (PARENTAL CONTROL)

DVD-V

You can limit the playback of some DVD VIDEOs according to a predetermined level such as the age of the users. When a limited scene is played back, that scene may be skipped or replaced with different scenes.

1 Press DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

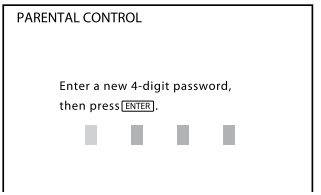
2 Press ↑ or ↓ repeatedly to select (SETUP), then press ENTER.
The options for "SETUP" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select "CUSTOM," then press ENTER.
The Setup Menu appears on the TV screen.

4 Press ↑ or ↓ repeatedly to select "SYSTEM SETUP," then press ENTER.

5 Press ↑ or ↓ repeatedly to select "PARENTAL CONTROL," then press ENTER.

If you have not registered a password:
The display for registering a new password appears on the TV screen.



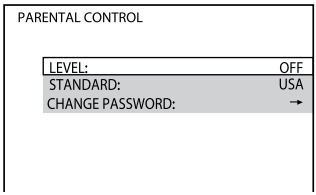
Enter a 4-digit password using the numeric buttons, then press ENTER. The display for confirming the password appears on the TV screen.

When you have already registered a password:
The display for entering the password appears on the TV screen.

If you make a mistake when entering your password:
Press ← repeatedly to delete the number you have entered, then re-enter your password again.

6 Enter or re-enter your 4-digit password using the numeric buttons, then press ENTER.

The display for setting the playback limitation level appears on the TV screen.



7 Press ↑ or ↓ repeatedly to select "STANDARD," then press ENTER.

The options for "STANDARD" appear on the TV screen.

8 Press ↑ or ↓ repeatedly to select a geographic area as the playback limitation level, then press ENTER.

The area is selected.
When you select "OTHERS →," enter the area code for the geographic area you want by using the numeric buttons (see "Parental Control area code list" (page 135)).

9 Press ↑ or ↓ repeatedly to select "LEVEL," then press ENTER.

The options for "LEVEL" appear on the TV screen.

10 Press ↑ or ↓ repeatedly to select the desired level, then press ENTER.

"PARENTAL CONTROL" setting is completed.
The lower the value, the stricter the limitation.

To turn off the "PARENTAL CONTROL" function

Set "LEVEL" to "OFF" in step 10.

To change the password

1 Press ↑ or ↓ repeatedly to select "CHANGE PASSWORD," then press ENTER in step 7 of "Restricting playback of the disc."

2 Enter your 4-digit password using the numeric buttons, then press ENTER.

3 Enter a new 4-digit password using the numeric buttons, then press ENTER.

4 To confirm your password, re-enter it using the numeric buttons, then press ENTER.

Continued

If you forget your password

Remove the disc and repeat steps 1 to 5 of "Restricting playback of the disc (PARENTAL CONTROL)" (page 56). When you are asked to enter your password, enter "199703" using the numeric buttons, then press ENTER. The display will ask you to enter a new 4-digit password. After you enter a new 4-digit password, reload the disc and press ▷ (or ► on the unit). When the display for entering your password appears, enter your new password.

To play back a disc for which "PARENTAL CONTROL" is set

1 Load the disc and press ▷ (or ► on the unit).
The display for entering your password appears on the TV screen.

2 Enter your 4-digit password using the numeric buttons, then press ENTER.
The system starts playback.

Notes

- When you play back DVD VIDEOs which do not have the "PARENTAL CONTROL" function, playback cannot be limited on this system.
- Depending on the DVD VIDEO, you may be asked to change the "PARENTAL CONTROL" level while playing the disc. In this case, enter your password, then change the level. If resume playback is canceled, the level returns to the original level.

Using the Setup Menu

By using the Setup Menu, you can make various adjustments to items such as picture and sound.
Displayed items vary depending on the country or region.

Note

Playback settings stored in the disc take priority over the Setup Menu settings. Therefore, some of the Setup Menu settings may not be performed.

1 Press DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (SETUP), then press ENTER.
The options for "SETUP" appear on the TV screen.

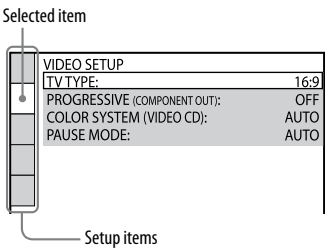
3 Press ↑ or ↓ repeatedly to select "CUSTOM," then press ENTER.
The Setup Menu appears on the TV screen.

4 Press ↑ or ↓ repeatedly to select the setup item from the displayed list, then press ENTER.

The setup item is selected.

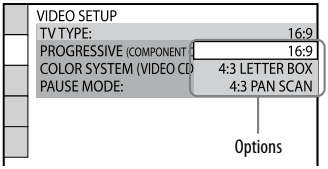
Setup items:
: LANGUAGE SETUP
: VIDEO SETUP
: AUDIO SETUP
: SYSTEM SETUP
: SPEAKER SETUP

Example: “VIDEO SETUP”



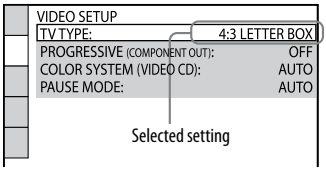
5 Press ↑ or ↓ repeatedly to select the desired item, then press ENTER.

The options for the selected item appear on the TV screen.
Example: “TV TYPE”



6 Press ↑ or ↓ repeatedly to select the desired setting, then press ENTER.

The setting is selected and setup is completed.



Setting the language — “LANGUAGE SETUP”

Set various languages for the on-screen display or sound track.

OSD
(On-Screen Display)
Switches the language of the on-screen display.

MENU*
(DVD VIDEO only)
Select the language for the DVD menu.

Continued

AUDIO*
(DVD VIDEO only)
Switches the language of the sound track. When you select "ORIGINAL," the language given priority in the disc is selected.

SUBTITLE*
(DVD VIDEO only)
Switches the language of the subtitle. When you select "AUDIO FOLLOW," the language for the subtitles changes according to the language you selected for the sound track.

* When you select a language in "MENU," "AUDIO," or "SUBTITLE" that is not recorded on the DVD VIDEO, one of the recorded language is automatically selected. However, depending on the disc, the language may not be selected automatically.
If you select "OTHERS →" in "MENU," "AUDIO," and "SUBTITLE," enter a language code using the numeric buttons (see "Language code list" (page 134)).

Setting the TV screen — "VIDEO SETUP"

Choose the settings according to the TV you connected.
The default setting is underlined.

TV TYPE[1)]
(DVD VIDEO only)
16:9: Select this when you connect a wide-screen TV or a TV with a wide mode function.

4:3 LETTER BOX: Select this when you connect a 4:3 screen TV. This setting displays a wide picture with bands on the upper and lower portions of the screen.

4:3 PAN SCAN[2)]**:** Select this when you connect a 4:3 screen TV. This setting displays the wide picture on the entire screen and cuts off the portions that do not fit.

PROGRESSIVE (COMPONENT OUT)
Sets the progressive signal output from the COMPONENT VIDEO OUT jacks to on or off.
OFF: Outputs interlace signals.
ON: Outputs progressive signals.
For details, see "Changing the format of the video signal output from COMPONENT VIDEO OUT jacks" (page 29).

COLOR SYSTEM (VIDEO CD)
(Australian model only)
Select the output video signal when you play back a VIDEO CD.
AUTO: Outputs the video signal according to the color system of the disc, either PAL or NTSC.
PAL: Changes the video signal of an NTSC disc and output it in PAL system.
NTSC: Changes the video signal of a PAL disc and output it in NTSC system.

BLACK LEVEL
(North American and Latin American models only)
Selects the black level (setup level) for the video signals output from the jacks other than COMPONENT VIDEO OUT.
ON: Sets the black level of the output signal to the standard level.
OFF: Lowers the standard black level. Use this when the picture becomes too white.

BLACK LEVEL (COMPONENT OUT)
(North American and Latin American models only)
Selects the black level (setup level) for the video signals output from the COMPONENT VIDEO OUT jacks. "BLACK LEVEL (COMPONENT OUT)" setting is not available when the system outputs progressive signal.
OFF: Sets the black level of the output signal to the standard level.
ON: Raises the standard black level. Use this when the picture becomes too black.

PAUSE MODE
(DVD VIDEO and DVD-R/-RW in VR mode only)
AUTO: The picture, including subjects that move dynamically, is output with no jitter. Normally select this position.
FRAME: The picture, including subjects that do not move dynamically, is output in high resolution.

[1] The default setting varies depending on the country or region.
[2] Depending on the DVD VIDEO, "4:3 LETTER BOX" may be selected automatically instead of "4:3 PAN SCAN" or vice versa.

Continued

Setting the audio options — "AUDIO SETUP"

Configure audio related settings.
The default setting is underlined.

AUDIO DRC[1] (Dynamic Range Compression)
(DVD VIDEO only)
OFF: No compression of dynamic range.
STANDARD: Reproduces the sound track with the kind of dynamic range that the recording engineer intended. Useful for watching movies at low volume late at night.
MAX: Narrows the dynamic range fully.

TRACK SELECTION
(DVD VIDEO only)
Gives priority to the sound track which contains the highest number of channels when you play back a DVD VIDEO on which multiple audio (PCM, DTS, MPEG audio, or Dolby Digital) formats[2] are recorded.
OFF: No priority given.
AUTO[3]: Priority given.

[1] "AUDIO DRC" can only be performed with Dolby Digital sources.

[2] If each audio sound track has the same number of channels, the system selects the audio sound tracks in the order from PCM, DTS, Dolby Digital, to MPEG.

[3] When you set "TRACK SELECTION" to "AUTO," the language may change. The "TRACK SELECTION" setting has higher priority than the "AUDIO" settings in "LANGUAGE SETUP" (page 33, 59). However, depending on the disc, this function may not be performed.

Setting the system — "SYSTEM SETUP"

SCREEN SAVER
The screen saver will help prevent your display device from becoming damaged (ghosting). Press any button (e.g., ▷) to cancel the screen saver.
ON: The screen saver image appears if you do not operate the system for about 15 minutes.
OFF: The screen saver does not appear.

BACKGROUND
Selects the background color or picture to be displayed on the TV screen. The background color or picture is displayed when playback is stopped or while playing an AUDIO CD and MP3 files.
JACKET PICTURE: The jacket picture (still picture) appears in the background, but only when the jacket picture is already recorded on the disc (DVD VIDEO, CD-Extra, etc.). If the disc does not contain a jacket picture, the "GRAPHICS" picture appears.
GRAPHICS: A preset picture stored in the system appears in the background.
BLUE: The background color is blue.
BLACK: The background color is black.

PARENTAL CONTROL
Sets the playback restrictions. For details, see "Restricting playback of the disc (PARENTAL CONTROL)" (page 56).

DivX
(MHC-GZR333i only)
Displays the registration code for this system.
For more information, go to http://www.divx.com on the Internet.

MULTI-DISC RESUME
(DVD VIDEO and VIDEO CD only)
ON: Stores the resume playback point in the memory for up to 6 discs.
OFF: Does not store the resume playback point in the memory. Playback starts at the resume playback point only for the current disc in the system.

RESET*
Returns "SETUP" settings to the default settings. For details, see "To return the "SETUP" settings to the default settings*, perform reset as follows:" (page 116).

* Except for "PARENTAL CONTROL" settings

Setting the speakers[1] — "SPEAKER SETUP"

CONNECTION
FRONT: YES
SUBWOOFER[2]:
YES: Select this if you have connected the subwoofer.
NONE: Select this if the subwoofer is not connected.

LEVEL (FRONT)
L 0.0 dB[3]
R 0.0 dB[3]
SUBWOOFER 0.0 dB[4][5]

[1] To return to the default setting when changing a setting, press CLEAR before you press ENTER. However, note that you cannot return the setting of "CONNECTION" to default setting. Note that you cannot perform "SPEAKER SETUP" when you connect headphones or microphones to the unit.

[2] Depending on the settings of other speakers, the subwoofer may output excessive sound.

[3] –6.0 dB (min) to 0.0 dB (max)

[4] –10.0 dB (min) to 0.0 dB (max)

[5] The items that are set to "NONE" in "CONNECTION" cannot be selected.

Tuner

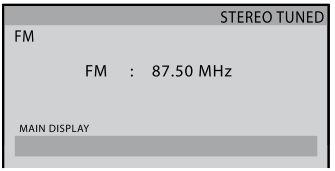
Listening to the radio

You can listen to a radio station either by selecting a preset station, or by manually tuning in the station.

1 Press FUNCTION +/— (or press TUNER/BAND on the unit) repeatedly to select "FM" or "AM."

2 Perform tuning.

For automatic scanning
Press and hold TUNING +/— until the frequency indication changes and then release.
Scanning stops automatically when a station is tuned in and "TUNED" appears on the TV screen. When a FM stereo program is tuned in, "STEREO" appears on the TV screen.



If "TUNED" does not appear and the scanning does not stop, press ■ and perform manual tuning.

For manual tuning:
Press TUNING +/— repeatedly.

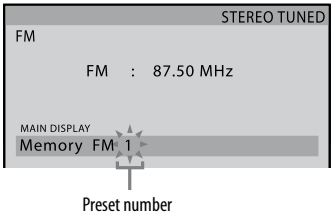
For direct tuning:
Press D.TUNING, then use the numeric buttons to enter the frequency of the desired station. For example, press 1, 0, 2, 5 and 0 to enter the frequency of FM 102.50 MHz, then press ENTER. If you cannot tune in the station, make sure you have entered the right frequency. If you still cannot tune in the station, the frequency is not used in your area. To cancel direct tuning, press D.TUNING.

Presetting a radio station

1 Tune in the desired station.

2 Press DVD/TUNER MENU.
"Memory?" flashes in the display.

3 Press ENTER or ➔.
A preset number flashes in the display.
The stations are stored from preset number 1.



4 Press ↑ or ↓ repeatedly (or press the numeric buttons) to select the desired preset number.

5 Press ENTER.
The station is stored.

6 Repeat steps 1 to 6 to store other stations.
You can preset up to 20 FM stations and 10 AM stations.
To cancel presetting, press DVD/TUNER MENU.

7 To call up a preset number, press PRESET +/— repeatedly (or turn OPERATION DIAL on the unit clockwise or counterclockwise) to select the desired preset number.
You can also press the numeric buttons, then press ENTER to select a preset station.

Tips

- To improve broadcast reception, adjust the supplied antennas, or connect an external antenna.
- When an FM stereo program has static noise, press REPEAT/FM MODE repeatedly until "MONO" appears in the display. There will be no stereo effect, but the reception will improve.
- You can also set the frequency by viewing the tuner information on the TV screen.

iPod

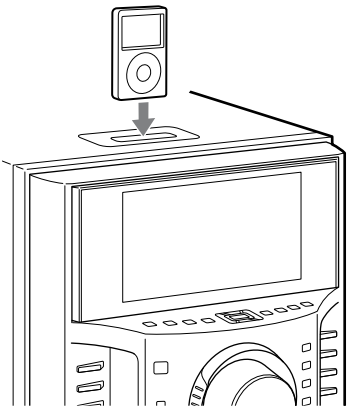
Playing the iPod

You can enjoy audio and video contents stored in your iPod with this system.
See "Compatible iPod models with this system" (page 128) for iPod models that can be connected to this system.
You can select operating mode from the following to operate your iPod connected to this system.

iPod Display mode (page 67):
You can operate the iPod with buttons on the connected iPod, in addition to buttons on the unit and the remote. In this mode, the iPod display can be viewed on iPod itself.

Main Display mode (page 68):
You can view the iPod display on the TV screen. In this mode, you cannot use control buttons on the connected iPod.

Place an iPod into the iPod Dock on the unit.



To use the system as a battery charger

You can use the system as a battery charger for the iPod when the system is on.
The charging begins when the iPod is placed on the iPod Dock. The charging status appears in the iPod display. For details, see the user's guide of your iPod.

To stop charging the iPod

Remove the iPod. Turning off the system also stops charging the iPod.

Notes

- When placing or removing the iPod, handle the iPod in the same angle as that of the iPod connector on the unit and do not twist or sway the iPod to prevent connector damage.
- Do not carry the unit with an iPod set on the connector. Doing so may cause a malfunction.
- When placing or removing the iPod, brace the unit with one hand and take care not to press the controls of the iPod by mistake.
- Before disconnecting the iPod, pause playback.
- To change the volume level, use VOLUME +/−. The volume level does not change even if adjusted on the iPod.
- The iPod Dock on the unit is designed for iPod only. You cannot connect any other portable audio players.
- To use an iPod, refer to the user's guide of your iPod.
- Sony cannot accept responsibility in the event that data recorded to iPod is lost or damaged when using an iPod with this system.

Using iPod Display mode

1 Press FUNCTION +/− repeatedly to select the iPod function.

2 Press iPod/OPR on the unit to select the operating mode until "iPod DISPLAY MODE" appears.

Basic operations

To	Press
Start playback	▷.
Pause playback	❚❚/■.
Scroll up/down the iPod menus	↑/↓. You can scroll up or down the iPod menus much like the Click Wheel operations of the iPod or the drag up-or-down operations of the iPod touch.
Select a track or chapter of audiobook/ podcast	I◀◀/▶▶I. To fast-forward or fast-rewind, hold down the button.
Choose the selected item	→/ENTER. You can choose the selected item much like the center button on the iPod or the touch operation of the iPod touch.
Find a point in a track or chapter of audiobook/ podcast	Hold down ◀◀/▶▶ during playback, and release the button at the desired point.
Return to the previous menu or select a menu	←/⋯ DISPLAY/ RETURN. You can return to the previous menu or select a menu much like the Menu button on the iPod or the touch operation of the iPod touch.

Continued

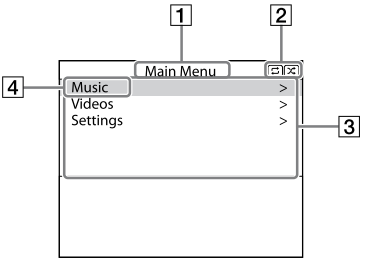
Notes

- Depending on the connected iPod, operations may differ.
- Before enjoying video, adjust the video settings on the iPod to the appropriate settings according to your situation.
- It may take time to start playback depending on the contents.
- The volume cannot be adjusted using the volume control on the iPod.
- Hold down ⏮/⏭ to fast-forward (fast-rewind) while playing video if ◀◀/▶▶ does not function.
- Because the operation of the system and the iPod are different, you may not operate the iPod using buttons on the remote or unit. In this case, use control buttons on the iPod.

Using the Main Display mode

1 Press FUNCTION +/— repeatedly to select the iPod function.

2 Press iPod/OPR on the unit to select the operating mode until "iPod DISPLAY MODE" disappears.



1 Selected menu title
2 Current settings (🔁, 🔂 Repeat, 🔀 Shuffle)
3 [Main Menu] list ([Music], [Videos], [Settings])
4 Selected menu

To enjoy music and video while browsing information on the TV screen

Example: Music playlists

1 Select [Music] from [Main Menu], then press ENTER.

The [Music] menu display appears.

2 Select [Playlists] from [Music] menu, then press ENTER.

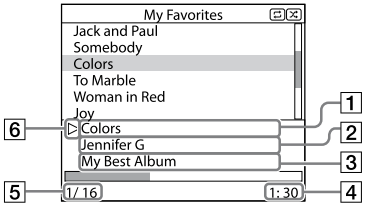
The [Playlists] menu display appears.

3 Select the desired playlist, then press ENTER.

Files in the selected playlist appear.

4 Select the desired file, then press ENTER.

Playback of the selected file starts.



1 Current playing file
2 Artist name
3 Album name
4 Elapsed time
5 Currently playing file number/total number of files
6 Playback status (Play, Pause, Fast-forward, Fast-rewind)

Notes

- In this mode, you cannot use control buttons on the iPod.
- When the system cannot display a character, it is displayed as "_."
- Depending on the connected iPod, switching to iPod Display mode (page 67) will be necessary in order to display video/photo images.
- Before disconnecting the iPod, pause playback.
- While "Loading…" is displayed on the TV, do not disconnect the iPod.
- It may take time to start playback depending on the contents.
- Before enjoying video, adjust the video settings on the iPod to the appropriate settings according to your situation.
- Depending on the connected iPod, some video files may not be displayed on the playlist.

Continued

Basic operations

To	Press
Start playback	▷.
Pause playback	❚❚/■.
Scroll up/down the iPod menus	↑/↓. You can scroll up or down the iPod menus much like the Click Wheel operations of the iPod or the drag up-or-down operations of the iPod touch.
Select a track or chapter of audiobook/ podcast	I◀◀/▶▶I. To fast-forward or fast-rewind, hold down the button.
Choose the selected item	→/ENTER. You can choose the selected item much like the center button on the iPod or the touch operation of the iPod touch.
Find a point in a track or chapter of audiobook/ podcast	Hold down ◀◀/▶▶ during playback, and release the button at the desired point.
Return to the previous menu or select a menu	←/⎋ DISPLAY/ RETURN. You can return to the previous menu or select a menu much like the Menu button on the iPod or the touch operation of the iPod touch.

Notes

- Depending on the connected iPod, operations may differ.
- It may take time to start playback depending on the contents.

Settings menu

In the Settings menu, you can select this unit's settings: [Screen Saver], [Color Theme], [Shuffle], [Repeat], [Audiobooks]. The setting switches by pressing ENTER or → repeatedly. The default settings are underlined.

Note

[Screen Saver] and [Color Theme] can be selected by pressing ENTER, and their settings can be changed even when the iPod is not placed into the unit.

Screen Saver

The screen saver image appears on the TV after about 15 minutes of inactivity. Press any button to cancel the screen saver.

[ON]	Turns on the screen saver.
[OFF]	Turns off the screen saver.

Note

The display does not switch to the screen saver image while playing video.

Color Theme

Selects the on screen display color on the connected TV.

[Auto]	The color is selected automatically according to your iPod.
[White]	The color is white.
[Black]	The color is black.
[Green]	The color is green.
[Red]	The color is red.
[Blue]	The color is blue.

Shuffle

Plays the songs/albums in random order.
The setting is determined by the iPod settings.

[OFF]	Does not play in random order.
[Songs]	Plays songs in random order.
[Albums]	Plays albums in random order.

Note

When video contents are played, the [Shuffle] setting turns [OFF] automatically.

Repeat

Plays songs repeatedly.
The setting is determined by the iPod settings.

[OFF]	Does not play repeatedly.
[Repeat to One]	Repeat one song.
[Repeat to All]	Repeat all songs.

Audiobooks

Changes the Audiobook playback speed.
The setting is determined by the iPod settings.

[Slower]	Plays Audiobook slowly.
[Normal]	Plays Audiobook at normal speed.
[Faster]	Plays Audiobook rapidly.

USB Device

Before using the USB device with this system

See “Compatible devices with this system” (page 126) for a list of USB devices that can be connected to this system.

Notes

- When USB cable connection is necessary, connect the USB cable supplied with the USB device to be connected. See the operating instructions supplied with the USB device to be connected for details on the operation method.
- It may take about 10 seconds before “Reading.” appears in the display depending on the type of USB device connected.
- Do not remove the USB device during transfer, recording or erase operations. Doing so may corrupt the data on the USB device or damage the USB device itself.
- Do not connect the system and the USB device through a USB hub.
- When the USB device is inserted, the system reads all the files on the USB device. If there are many folders or files on the USB device, it may take a long time to finish reading the USB device.
- Always turn off the system before removing the USB device. Removing the USB device while the system is on may corrupt the data on the USB device.
- Compatibility with all encoding/writing software cannot be guaranteed. If audio files on the USB device were originally encoded with incompatible software, those files may produce noise or interrupted audio, or may not play at all.

Note on the maximum number of files and folders on a USB device

This system cannot transfer, record or playback files and folders of the USB device in the following cases.

— When the number of files in a folder exceeds 150.

— When the number of folders on a USB device exceeds 200.

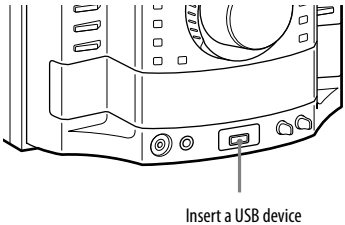
These numbers may vary depending on the file structure and the folder structure. Do not save other types of files or unnecessary folders on a USB device that has audio files, video files or JPEG image files.

Transferring music from a disc to a USB device

You can connect an optional USB device to the ⇧ (USB) port on the unit and transfer music from a disc to the USB device.
You can transfer music only from an AUDIO CD or DATA CD/DVD (MP3 files only).
The audio format of files transferred by this system is MP3. When transferring music from an AUDIO CD, the tracks are transferred as 128 kbps MP3 files. When transferring music from a DATA CD/DVD, MP3 files are transferred with the same bit rate as the original MP3 files.
The amount of free space required on the USB device is about 1 MB per minute when transferring music from an AUDIO CD.
Required free space may be larger when transferring music from a DATA CD/DVD (MP3 files only).

You can easily transfer all the music on a disc to a USB device (USB TRANSFER). You can also transfer a single audio track or file during playback (REC1).

1 Connect the USB device to the ⇧ (USB) port.



Note
Do not use USB devices other than those listed in "Compatible devices with this system" (page 126). Operation of models not listed is not guaranteed. Operation may not always be ensured even when using a compatible USB device.

Continued

2 Press FUNCTION +/— repeatedly to select "DVD" (or press DVD on the unit), then load the disc you want to transfer.

If you have loaded the disc, press DISC SKIP repeatedly (or DISC 1 — DISC 3 on the unit) to select the disc. When the system automatically starts playback, press ■ twice to cancel resume playback.

3 Set the USB device to stand by for transferring.

USB TRANSFER:
Press REC TO USB on the unit.

REC1:
Start playback of the track or MP3 file you want to transfer, then press REC TO USB on the unit.

The USB device stands by for transferring.

4 Start transferring.

Press ENTER.
Transferring starts.
When the transfer is completed, access to the USB device and the disc player stops automatically.

To stop transferring

Press ■.

To remove the USB device

1 Press ■ to stop playback.

2 Press I/⏻ to turn off the system.

3 Remove the USB device.

Using the on-screen display

You can also transfer music using the on-screen display.

1 Press ▭ DISPLAY when playback is stopped.

The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (USB TRANSFER), then press ENTER.

The options for "USB TRANSFER" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired option, then press ENTER.

For AUDIO CD:

- TRACK: The tracks on the AUDIO CD appear. You can transfer the desired track.

For DATA CD/DVD:

- TRACK: The folders on the DATA CD/DVD appear. You can transfer the desired MP3 file.
- FOLDER: The folders on the DATA CD/DVD appear. You can transfer all MP3 files in the folder.

"Reading." appears, and the tracks or folders appear on the TV screen.

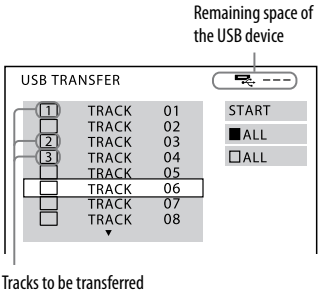
Note

It may take some time to display the tracks or folders depending on the number of tracks or folders.

4 Select the tracks you want to transfer.

For AUDIO CD:

Press ↑ or ↓ repeatedly to select the track, then press ENTER.
The tracks are marked in the order that you select. To cancel the selection, press ENTER again.

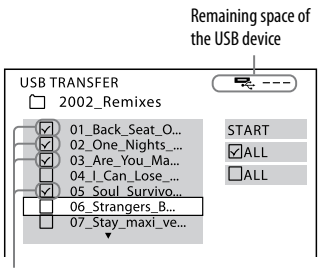


To select all tracks on the AUDIO CD

Press ↑/↓/←/→ repeatedly to select "■ ALL," then press ENTER. To cancel the selection, select "□ ALL," then press ENTER.

Continued

For DATA CD/DVD:
Press ↑ or ↓ repeatedly to select the MP3 files or folders, then press ENTER.
The MP3 files or folders are marked. To cancel the selection, press ENTER again.



MP3 files or folders to be transferred

To select all tracks or folders on the DATA CD/DVD
Press ↑/↓/←/→ repeatedly to select "☑ ALL," then press ENTER. To cancel the selection, select "☐ ALL," then press ENTER.

5 Press ↑/↓/←/→ repeatedly to select "START," then press ENTER.
The system starts transferring and the transfer status appears. No sound is output during transfer.
To stop transferring, press ■.

To return to the previous display
Press ↩ RETURN.

To erase audio files or folders from the USB device
You can erase audio files or folders on the USB device.

1 Connect the USB device to the ⇤ (USB) port.

2 Press FUNCTION +/— repeatedly to select "USB" (or press USB on the unit).
"FOLDER LIST" appears.

3 Press ↑ or ↓ repeatedly to select a folder.
To erase all audio files in a folder, press CLEAR.
To erase an audio file, press ENTER.
"TRACK LIST" appears.
Press ↑ or ↓ repeatedly to select the desired audio file, then press CLEAR.

4 Press ← or → repeatedly to select "YES."
To cancel the erase operation, select "NO."

5 Press ENTER.
The selected audio file or folder is erased.

Folder and file generation rules

When first transferring music to the USB device, a “MUSIC” folder is created directly below the “ROOT” folder. Folders and files are generated within this “MUSIC” folder as follows.

USB TRANSFER[1)]

Music source	Folder name	File name
MP3	Same as the music source[2)]	
CD-DA	“FLDR001”[3)]	“TRACK001”[3)]

REC1

Music source	Folder name	File name
MP3	“REC1-MP3”[4)]	Same as the music source[2)]
CD-DA	“REC1-CD”[4)]	“TRACK001”[3)]

[1)] Except when resuming playback.

[2)] Up to 64 characters of folder name and 60 characters of file name are assigned.

[3)] Folder and file numbers are assigned serially thereafter.

[4)] A new file is created in the “REC1-MP3” or “REC1-CD” folder each time REC1 is performed.

Notes

- When transferring music from a CD, the tracks are transferred as 128 kbps MP3 files. When transferring music from an MP3 disc, MP3 files are transferred with the same bit rate as the original MP3 files.
- If you start transferring in shuffle play mode or repeat play mode, the selected play mode is automatically canceled and the play mode switches to normal play mode.
- CD text information is not transferred in the created MP3 files.
- If you cancel music being transferred partway, an incomplete MP3 file, generated on the USB device, will be deleted.
- Transferring stops automatically if:
  - you change the function.
  - you turn off the system.
  - the USB device runs out of space during the transfer process.
  - the number of files or folders on the USB device reaches the limit for the number that the system can recognize.
- You cannot change the sound field when transferring to the USB device.
- If the folder to be erased contains non-MP3/WMA (Windows Media Audio)/AAC (Advanced Audio Coding) audio files or sub folders, these are not erased.
- If a folder or audio file that you are trying to transfer already exists on the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.

Recording analog audio to a USB device

You can record the sound from analog audio sources. The sound is recorded as 128 kbps MP3 file.

1 Connect the USB device to the ⇜ (USB) port.

2 Press FUNCTION +/— repeatedly to select the desired source.

- TUNER FM/AM: To record from this system's tuner.
- VIDEO/SAT: To record from the optional component connected to the VIDEO/SAT AUDIO IN L/R jacks.

3 Press REC TO USB on the unit.

"Please Wait" appears and the display cycles between "Free xx.x GB" (free space on the USB device) and "Push Enter."
The USB device stands by for recording.

4 Start playing the desired source to record, then press ENTER.

To stop recording

Press ■.

To remove the USB device

1 Press ■ to stop recording.

2 Press I/⏻ to turn off the system.

3 Remove the USB device.

To mark track numbers

You can mark the track numbers during recording of any source.
Press REC TO USB on the unit at the point you want to add a track mark.
The system pauses recording for a few seconds and adds track mark, showing message "New Track." No sound is recorded during pause time.

Note

The track numbers are automatically marked when you record more than 60 minutes.

Folder and file generation rules

When first recording the analog audio to the USB device, a “MUSIC” folder is created directly below the “ROOT” folder.
Folders and files are generated within this “MUSIC” folder as follows.

Music source	Folder name	File name
Tuner	“FM001”* or “AM001”*	“TRACK001”*
VIDEO/ SAT AUDIO IN L/R	“VIDEO001”* or “SAT001”*	“TRACK001”*

* Folder and file numbers are assigned serially thereafter.

Note

Recording stops automatically when:

— you change the function.
— you change the band.
— you turn off the system.
— the USB device runs out of space during the recording.
— the number of files or folders on the USB device reaches the limit for the number that the system can recognize.

Playing a file of the USB device

See “Compatible devices with this system” (page 126) for a list of USB devices that can be connected to this system.
You can listen to music stored in the USB device.
The audio formats that can be played back on this system are as follows: MP3*/ WMA*/AAC*
You can view image files and video files stored in the USB device.
The image file and video file formats that can be played back on this system are as follows: JPEG/DivX/MP4*
DivX and MPEG4 video files can only be played back on MHC-GZR333i.

* Files with DRM (Digital Rights Management) copyright protection cannot be played back on this system.

1 Press FUNCTION +/— repeatedly to select “USB” (or press USB on the unit).

2 Connect the USB device to the ⇆ (USB) port.

Continued

3 Press DISPLAY when playback is stopped.

The Control Menu appears on the TV screen.

4 Press ↑ or ↓ repeatedly to select * (MEDIA), then press ENTER.

The options for "MEDIA" appear on the TV screen.

* appears on LBT-LCD77Di.

- MUSIC: for playing audio files
- VIDEO[1]: for playing DivX video files or MPEG4 video files
- PHOTO: for playing JPEG image files

[1] MHC-GZR333i only.

5 Press ↑ or ↓ repeatedly to select the desired option, then press ENTER. When the desired option has already been selected, press DVD/TUNER MENU.

A list of folders that contains the files of the selected file type appears on the TV screen.

6 Press ↑ or ↓ repeatedly to select a folder.

Playing a folder:

Press ▷ (or ► on the unit).
The system starts playback from the first file of the selected folder.
To stop playback, press ■.

Playing an audio file:

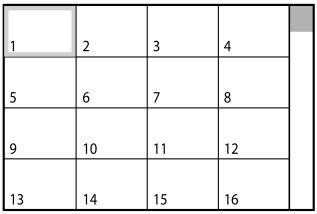
1 Press ENTER.
"TRACK LIST" appears.

2 Press ↑ or ↓ repeatedly to select the desired audio file, then press ENTER.

The system starts playback of the selected audio file.
To stop playback, press ■.

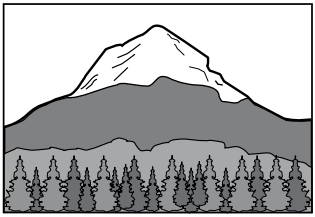
Playing an image file:

1 Press PICTURE NAVI.
Thumbnail picture for the first 16 JPEG image files in the selected folder is displayed.



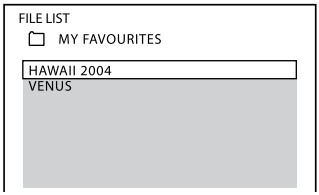
If there are more than 16 image files in the selected folder, the scroll bar appears at the right.

2 Press ↑/↓/←/→ repeatedly to select the image you want to view, then press ▷ (or ► on the unit).
The slide show starts from the selected image file.
To stop playback, press ■.
The slide show stops when you press ↑ or ↓.



Playing a video file (MHC-GZR333i only):

1 Press ENTER.
"FILE LIST" appears.



2 Press ↑ or ↓ repeatedly to select the desired video file, then press ENTER.
The system starts playing the selected video files.
To stop playback, press ■.

Continued ⇨

Other operations

To	Do this
Display the next or previous page of "TRACK LIST," "FOLDER LIST" or "FILE LIST"	Press ←• or •→ repeatedly.
Play back the next folder of audio files or video files	Press ▶▶I repeatedly until the last file of the current folder, then press ▶▶I once. To select the previous folder, select the folder from "FOLDER LIST."
Return to "FOLDER LIST" when "TRACK LIST," or "FILE LIST" is displayed.	Press ↩ RETURN.
Play back the next folder of JPEG image files	Press → repeatedly until the last file of the current folder, then press → once. To select the previous folder, select the folder from "FOLDER LIST."
Rotate the image by 90 degrees	Press ↑ or ↓ repeatedly while viewing an image. To return to the original view, press CLEAR.

To remove the USB device

1 Press ■ to stop playback.

2 Press I/⏻ to turn off the system.

3 Remove the USB device.

Notes

- The file formats that this system can play are as follows:
  - MP3: file extension ".mp3"
  - WMA: file extension ".wma"
  - AAC: file extension ".m4a"
  - JPEG: file extension ".jpg" or ".jpeg"
  - MP4: file extension ".mp4" or ".m4v"
  - DivX: file extension ".avi" or ".divx"

  Note that even when file names have the above file extensions, if the actual files differ, playing these files may generate a loud noise which could damage the speaker system and the system may malfunction.
- The following USB devices/situations can increase the time it takes to start playback:
  - a USB device recorded with a complicated tree structure.
  - when the files in another folder have just been played back.
  - when you play back an AAC file.
- The system can play back to a depth of 8 folders only.
- Resume play back is canceled when you turn off the system or change the function.
- This system does not necessarily support all the functions provided in a connected USB device.
- The playback order for the system may differ from the order of the connected USB device.
- Folders that have no MP3/WMA/AAC audio files, DivX/MPEG4 video files (MHC-GZR333i only) or JPEG image files are skipped.

To specify the slide show speed

(JPEG image files only)

1 Press DISPLAY repeatedly until the Control Menu for JPEG image files appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (INTERVAL), then press ENTER.
The options for "INTERVAL" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired transition interval.
The default setting is underlined.
- NORMAL: Sets to the standard duration.
- FAST: Sets the duration shorter than "NORMAL."
- SLOW 1: Sets the duration longer than "NORMAL."
- SLOW 2: Sets the duration longer than "SLOW 1."

4 Press ENTER.
The selected setting takes effect.

Note

Some JPEG image files (especially progressive JPEG image files or JPEG image files with 3,000,000 pixels or more) may take a longer time to display than others, which may make the transitions seem longer than that of the option you selected.

To select a transition effect for image files in the slide show

(JPEG image files only)

1 Press DISPLAY repeatedly until the Control Menu for JPEG image files appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (EFFECT), then press ENTER.
The options for "EFFECT" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.
The default setting is underlined.
- MODE 1: The image sweeps in from top to bottom of the screen.
- MODE 2: The image sweeps in from left to right of the screen.
- MODE 3: The image stretches out from the center of the screen.
- MODE 4: The image randomly cycles through the effects.
- MODE 5: The next image slides over the current image.
- OFF: Turns off this function.

4 Press ENTER.
The selected setting takes effect.

Continued

Playing in random order (Shuffle Play)

You can play back the files on the USB device in random order. Each time you perform Shuffle Play, the playing order may differ.

1 Press DISPLAY.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (SHUFFLE), then press ENTER.
The options for "SHUFFLE" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.
- ON (MUSIC): all audio files in the selected folder on the USB device are played back randomly.
  When no folder is selected, the first folder is played back randomly.

4 Press ENTER.
Shuffle Play starts.
To cancel Shuffle Play, press CLEAR or select "OFF" in step 3.

Notes
- Shuffle Play is canceled when:
  - you remove the USB device.
  - you turn off the system.
  - you change the function.
- The same song may be played back repeatedly for audio files.

Playing repeatedly (Repeat Play)

You can play back audio files, video files (MHC-GZR333i only), or JPEG image files on the USB device repeatedly.
You can also repeat Shuffle Play.

1 Press DISPLAY.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (REPEAT), then press ENTER.
The options for "REPEAT" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired setting.

- MEMORY: repeats all the folders on the USB device.
- FOLDER: repeats the current folder.
- TRACK[1]: repeats the current file.
- FILE[2][3]: repeats the current file.

[1] Audio files only.
[2] Video files only.
[3] MHC-GZR333i only.

When Shuffle Play is activated:

- ON: repeats the Shuffle Play.

4 Press ENTER.

5 Press ▷ (or ► on the unit).

Repeat Play starts.
To cancel Repeat Play, press CLEAR or select "OFF" in step 3.

Note

Repeat Play is canceled when:

– you remove the USB device.
– you turn off the system.
– you change the function.

Tip

You can also change the Repeat Play setting by pressing REPEAT/FM MODE repeatedly.

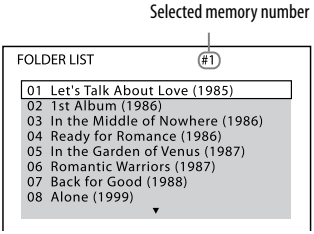
Selecting the playback source or transferring destination on the Sony Ericsson mobile phone

When listening to music from a Sony Ericsson mobile phone (W302 / W595 / W760i / W890i / W902 / W910i) or when transferring music from this system to the mobile phone, you can select the playback source or transferring destination as follows:

– internal memory of the mobile phone
– Memory Stick

To select the playback source in the "USB" function

Press MEMORY SELECT repeatedly. You can select the internal memory or Memory Stick of the mobile phone.


Selected memory number
FOLDER LIST
#1
01 Let's Talk About Love (1985)
02 1st Album (1986)
03 In the Middle of Nowhere (1986)
04 Ready for Romance (1986)
05 In the Garden of Venus (1987)
06 Romantic Warriors (1987)
07 Back for Good (1988)
08 Alone (1999)

Continued

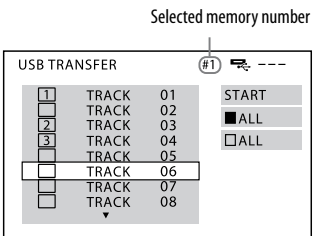
To select the transferring destination in the "DVD" function

1 Load a CD, DATA CD or DATA DVD.

2 Press MEMORY SELECT repeatedly.
You can select the internal memory or Memory Stick of the mobile phone.

Notes

- You cannot select the playback source or transferring destination during playback or transferring. Stop playback or transferring, and then select the playback source or transferring destination.
- You can check the selected memory number on the TV screen.



- You can select a Memory Stick when the selected memory number is as follows:

Model name	Memory number
W302	#1
W595	#2
W760i	#2
W890i	#2
W902	#2
W910i	#2

- If there is no Memory Stick inserted in the mobile phone, you cannot select playback source or the transferring destination.
- Select a transferring destination before transfer.

Sound Adjustment

Adjusting the sound

To	Do this
Reinforce the sound	Press GROOVE on the unit[1]. Each time you press the button, the display changes as follows: GROOVE ON[2] → Z-GROOVE ON[2] → GROOVE OFF → GROOVE ON → …
Select the preset sound effect	Press PRESET EQ on the unit repeatedly[3].

[1] The last selected setting appears when GROOVE on the unit is pressed once.

[2] The volume switches to power mode and the equalizer curve changes.

[3] The last selected preset effect appears when PRESET EQ on the unit is pressed once.

Preset effect options

Effect	Category
ROCK POP JAZZ DANCE SOUL TECHNO HIP HOP	Standard music sources
MOVIE	Video files
MP3 EQ	MP3 files
USER EQ 1, 2, 3	User equalizer setting (see "To adjust the graphic equalizer and store the user equalizer setting" (page 88))
FLAT	Original music source (cancels the preset effect)

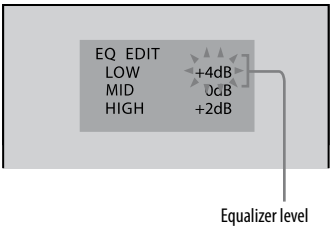
Continued

To adjust the graphic equalizer and store the user equalizer setting

You can adjust the sound by raising or lowering the level of specific frequency band, then store up to three user equalizer settings, in the memory.

1 Press EQ BAND/MEMORY on the unit repeatedly to select a frequency band or surround effect.

2 Press I◄◄ /►►I to adjust the level or select surround effect you want.



3 Repeat steps 1 and 2 to adjust the level of other frequency bands and surround effect.

4 Press ENTER.
"MEMORY EQ-1" appears in the display.

5 Press I◄◄ /►►I to select a user equalizer number (1 – 3) for the equalizer setting ("MEMORY EQ-1" through "MEMORY EQ-3") you want to store.

6 Press ENTER.
This setting is automatically stored as the user equalizer setting you selected in step 5.
The previous setting stored at this memory location is erased and replaced by the new setting.

Tip

If you do not want to store the setting, press I◄◄ /►►I to select "EXIT?" and then press ENTER.

Selecting the sound field

You can take advantage of the surround sound simply by selecting one of the sound fields. They bring the exciting and powerful sound of movie theaters into your home.

Press SOUND FIELD repeatedly.

The last selected sound field appears in the display, and then you can select the desired sound field.

When the headphones are not connected:

2CH STEREO
Reproduces stereo output from multi channel sources such as DVD VIDEOs during "DVD" function. The system outputs the original sound during functions other than "DVD" and during playback of stereo sources such as AUDIO CD, VIDEO CD and MP3 files.

2CH SURR
Reproduces stereo output with surround effect from multi channel sources such as DVD VIDEO during "DVD" function. The system outputs the original sound with surround effect during functions other than "DVD".

VIRTUAL A*
Creates 3 sets of virtual surround speakers from the sound of the front speakers. This sound field is only effective when you play back multi channel sources.

VIRTUAL B*
Creates 1 set of virtual surround speakers from the sound of the front speakers without using actual surround speakers. This mode is effective when the distance between the front speakers is short. This sound field is only effective when you play back multi channel sources.

Continued

When the headphones are connected:

HP 2CH
The normal sound field for headphones.

HP SURR
The sound field for headphones with surround effect.

HP VIRTUAL*
The sound field for headphones with virtual surround effect. This sound field is only effective when you play back multi channel sources.

* These sound fields cannot be selected when:
- the system is in stand by or during transfer or recording.
- the Karaoke mode is turned on.

Notes
- Depending on the disc, the surround effect may not be as much as expected.
- You cannot change the sound field when transferring or recording to the USB device.

Singing along: Karaoke

DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

You can enjoy Karaoke by setting the system to Karaoke mode.

1 Press FUNCTION +/— repeatedly to select "DVD" or "USB" (or press DVD or USB on the unit).

2 Turn MIC LEVEL on the unit to "MIN" to reduce the microphone volume.

3 Connect a microphone to MIC jack on the unit.
The Karaoke mode is turned on. "KARAOKE MODE: ON" appears on the TV screen.

4 Start playing the music and adjust the volume.

DVD VIDEO, DVD-R/-RW in VR mode, video files (MHC-GZR333i only):
The system outputs the audio format that you have selected.

AUDIO CD, VIDEO CD, MP3 files:
The audio setting automatically changes to "1/L" and the system outputs the left channel audio.

If you want to hear vocal:
Press AUDIO repeatedly to select another audio channel.

5 Start singing along with the music and adjust the microphone volume by turning MIC LEVEL.

To turn off the Karaoke mode

Disconnect the microphone or press KARAOKE MODE. "KARAOKE MODE: OFF" appears on the TV screen.

To adjust the microphone echo level

Turn ECHO LEVEL on the unit.
To cancel the echo effect, turn ECHO LEVEL on the unit to "MIN."

Notes

- The sound input from the microphone is not output from the DVD DIGITAL OUT jack.
- Karaoke mode is automatically turned off when:
  - you turn off the system.
  - you change the function (except for the "DVD" function or "USB" function).
  - you connect the headphones.
  - you disconnect the microphone.
- If howling occurs:
  - move the microphone away from the speakers.
  - change the direction of the microphone.
  - lower the MIC LEVEL or ECHO LEVEL.
  - press VOLUME – repeatedly (or turn MASTER VOLUME on the unit counterclockwise).

Changing the key (Key Control)

You can change the key to suit your vocal range, except when the system is in stop mode.

Press KEY CONTROL ♭/♯ to suit your vocal range in Karaoke mode.
You can adjust the key higher or lower in 13 steps (♭6 – ♯6).

Notes

- Depending on the disc, you may not be able to change the key.
- The key automatically returns to the original key when:
  - you turn off the system.
  - you change the function.
  - you change the disc.
  - you open the disc tray.
  - you stop playback.
  - the title, track or audio file changes.
  - you change the folder.
  - the play item is changed during PBC playback.
  - you perform Lock Search.
  - you cancel Karaoke mode.
  - DVD layer is changed.

Continued

Playing Karaoke with any stereo disc ("Karaoke Pon")

You can enjoy Karaoke with a stereo-recorded disc, even if it is a non-Karaoke disc, by reducing the sound of the vocals.

Press KARAOKE PON in Karaoke mode.

To cancel "Karaoke Pon" mode, press KARAOKE PON again.

Notes

- This function may not work well when:
  - only a few instruments are playing.
  - a duet is playing.
  - the vocals on the disc deviate from the center.
  - playing monaural-recorded discs (the accompaniment is also reduced).
  - playing multiplex discs.
- During "Karaoke Pon" mode, the stereo effect is reduced.
- "Karaoke Pon" mode is automatically canceled when:
  - you turn off the system.
  - you change the function.
  - you change the disc.
  - you open the disc tray.
  - you press AUDIO.
  - you set "VOCAL SELECT" to other than "OFF."
  - you cancel Karaoke mode.

Selecting the vocals (Vocal Select)

DVD-V VIDEO CD CD

When playing a DVD with the "Dolby Digital Karaoke" format in Karaoke mode, you can turn on or off the guide vocal recorded in the Karaoke track. When playing a VIDEO CD or AUDIO CD in Karaoke mode, you can listen to the vocals.

You can also change the guide vocal channel. You can select different kinds of vocals.

1 Press DISPLAY in Karaoke mode.

The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (VOCAL SELECT), then press ENTER.

The options for "VOCAL SELECT" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select the desired vocal channel.

The output channel changes as follows.
The default setting is underlined.

When playing a DVD VIDEO

- OFF: Turns off the guide vocal.
- 1+2: Guide vocal 1+2
- 1: Guide vocal 1
- 2: Guide vocal 2

When playing a VIDEO CD or AUDIO CD

- OFF: Turns off the guide vocal.
- L+R: The same sound is output from both speakers.
- STEREO: The standard stereo sound

When playing a Super VCD

- OFF: Turns off the guide vocal.
- 1:L+R: The same sound of the audio track 1 is output from both speakers.
- 1:STEREO: The stereo sound of the audio track 1
- 2:L+R: The same sound of the audio track 2 is output from both speakers.
- 2:STEREO: The stereo sound of the audio track 2

4 Press ENTER.

Notes

- When playing a DVD VIDEO, the function works only with the "Dolby Digital Karaoke" format.
- Depending on the disc, you may not be able to change the guide vocal channel.
- The channel returns to the default setting when:
  - you turn off the system.
  - you change the function.
  - you change the disc.
  - you open the disc tray.
  - you press AUDIO.
  - you cancel Karaoke mode.
  - you set "Karaoke S" mode to on.
- When playing a DVD VIDEO recorded only with one kind of guide vocal, select "1."

Selecting the scoring mode (Score Mode)

When Karaoke mode is turned on, you can use the scoring mode.
Your score is calculated by comparing your voice with the music source.

1 Press DISPLAY in Karaoke mode.

The Control Menu appears on the TV screen.

Continued

2 Press ↑ or ↓ repeatedly to select ★★★ (SCORE MODE), then press ENTER.

The options for "SCORE MODE" appear on the TV screen.

3 Press ↑ or ↓ repeatedly to select a setting.

The default setting is underlined.

- BEGINNER 1: Beginner level. The score updates every 3 seconds.
- BEGINNER 2: Beginner level.
- EXPERT 1: Advance level. The score updates every 3 seconds.
- EXPERT 2: Advance level.
- DEMO: Demonstration mode. The score is displayed regardless of singing.

4 Press ENTER.

5 Start playing the music.

6 Press SCORE before singing a song in Karaoke mode.

The previous highest score appears on the TV screen and the display changes as follows according to the level selected for "SCORE MODE."

★00: When you select "BEGINNER 1" or "EXPERT 1."

★--: When you select "BEGINNER 2" or "EXPERT 2."

★DEMO: When you select "DEMO."

7 After singing for more than a minute, press SCORE again to view your score.

Your score is calculated from a scale of 0 to 99.

Your score is displayed for 5 seconds, during which time the system enters pause mode.

After your score, the ranking is displayed as follows:

— The ranking is displayed as a list with top 3 scores.

— Your score and ranking for the last song flash.

— If you are in the top 10, your ranking is displayed. If not, "10+" is displayed.

— If your score is "0," your score is not displayed in the ranking list.

Notes

- The highest score is reset when the system is turned off.
- The "SCORE MODE" function may be canceled when certain remote buttons are pressed.
- In some cases, you may not be able to use the scoring mode.

Tip

The "SCORE MODE" setting is automatically changed to "BEGINNER 1" when the system is turned off.

Using the timers

The system offers three timer functions. You cannot activate both the Play Timer and the Rec Timer at the same time. If you use either with the Sleep Timer, the Sleep Timer has priority.
Use buttons on the remote to use the timer functions.

Sleep Timer
You can fall asleep to music. This function works even if the clock is not set.

Press SLEEP repeatedly to select the time you want.
The system turns off after the preset time.

Play Timer
You can wake up to DVD, FM/AM reception or optional USB device at a preset time.
Make sure you have set the clock.

Rec Timer
You can record from a preset radio station at a specified time.
Make sure you have set the clock.

1 Prepare the sound source.

For Play Timer:
Prepare the sound source, and then press VOLUME +/— (or turn MASTER VOLUME on the unit) to adjust the volume.

For Rec Timer:
Tune in the desired radio station or call up the desired preset station.

2 Select the timer set mode.
Press TIMER MENU.

3 Press ↑ or ↓ repeatedly to select "PLAY SET?" or "REC SET?," then press ENTER.
"ON" appears and the hour indication flashes in the display.

4 Set the time to start playback or recording.
Press ↑ or ↓ repeatedly to set the hour, then press ENTER.
The minute indication flashes in the display. Use the procedure above to set the minute. "OFF" appears and the hour indication flashes in the display.

5 Use the same procedure as in step 4 to set the time to stop playback or recording.

Continued

6 Select the sound source when using Play Timer, or prepare the USB device when using Rec Timer.

For Play Timer:
Press ↑ or ↓ repeatedly until the desired sound source appears, and then press ENTER. The display shows the timer settings.

For Rec Timer:
The display shows the timer settings. When recording to a USB device, press FUNCTION +/– repeatedly to select "USB" (or press USB on the unit), then connect the USB device to the ⇐ (USB) port.

7 Press I/⏻ to turn off the system.

When you set the Rec Timer, the system turns on 90 seconds before the preset time. When you set the Play Timer, the system turns on 30 seconds before the preset time.
If the system is on at the preset time, the Play Timer and the Rec Timer will not play. Do not operate the system from the time the system turns on until the playback or recording starts.

To check the setting

1. Press TIMER MENU.
   "TIMER SELECT?" flashes in the display.
2. Press ENTER.
3. Press ↑ or ↓ repeatedly to select "PLAY SELECT?" or "REC SELECT?."
4. Press ENTER.

To change the setting

Start over from step 1.

To cancel the timer

1. Press TIMER MENU.
   "TIMER SELECT?" flashes in the display.
2. Press ENTER.
3. Press ↑ or ↓ repeatedly to select "TIMER OFF."
4. Press ENTER.

Notes

- The Play Timer and Rec Timer will not be activated if the system is turned on or if "STANDBY" flashes in the display. Be sure to turn off the system at least 120 seconds before the preset time.
- The volume is reduced to minimum during Rec Timer.
- The track numbers are automatically marked when you record more than 60 minutes.

Tips

- The Play Timer setting remains as long as the setting is not canceled manually.
- The Rec Timer is canceled automatically after the Rec Timer has been activated.

Changing the display

Turning off the display

– Power Saving Mode

The demonstration display and the clock display can be turned off to minimize the amount of power consumed during standby mode (Power Saving Mode).

Press DISPLAY repeatedly while the system is turned off.

Demonstration[1)] → No display (Power Saving Mode) → Clock[2)] → Demonstration → ...

1) The display changes and the indicators flash even when the system is turned off.

2) The clock display automatically turns to Power Saving Mode after 8 seconds.

Note

You cannot perform the following operations during Power Saving Mode:

- Setting the clock.
- Changing the AM tuning interval.

Continued

Changing the power illuminator

You can change the illumination pattern around the MASTER VOLUME on the unit.

1 Select the illumination setting.
Press OPTIONS on the unit repeatedly until "ILLUMINATION" appears in the display.

2 Press ⏮ or ⏭ to select the desired illumination pattern, then press ENTER.

Viewing information about the disc and USB device in the on-screen display

Press DISPLAY.

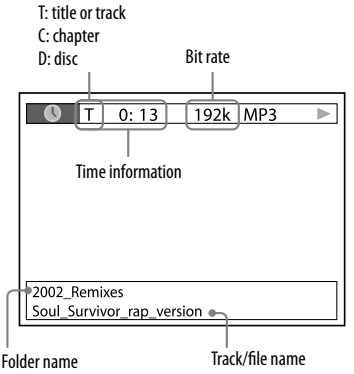
Each time you press DISPLAY, the display (the front panel display only) changes from ① → ② → ③ → ① → …

① No display
② Clock display (for 8 seconds)
③ Effect name (for 4 seconds)

Press TIME/TEXT.

Each time you press TIME/TEXT while playing the disc or USB device, the display changes from ① → ② → … → ① → …

The time display that you can view on the TV screen depends on the media you are playing.



Note

The Control Menu display will show different items depending on the media type.

When playing a DVD VIDEO or DVD-R/-RW in VR mode:

① Elapsed playing time of the current title
② Remaining time of the current title
③ Elapsed playing time of the current chapter
④ Remaining time of the current chapter
⑤ Elapsed playing time of the current title and disc title

When playing a VIDEO CD with PBC function:

① Elapsed playing time of the current scene
② Disc title

When playing an AUDIO CD or VIDEO CD without PBC function:

① Elapsed playing time of the current track
② Remaining time of the current track
③ Elapsed playing time of the disc
④ Remaining time of the disc
⑤ Elapsed playing time of the current track and track name

When playing MP3 files or video files on a DATA CD/DVD or USB device:

Elapsed playing time of the current file and folder/file name*

* If an MP3 file has the ID3 tag, the system will display an album name or title name from the ID3 tag information. The system supports ID3 ver 1.0/1.1/2.2/2.3. ID3 ver 2.2/2.3 tag information display has priority when both ID3 ver 1.0/1.1 and ver 2.2/2.3 tags are used for a single MP3 file.

Notes

- Only alphabet letters, numbers and some symbols can be displayed.
- Depending on the media, the system can only display a limited number of characters.
- For MP3 files with format other than ISO 9660 Level 1 and Level 2, folder name and file name may not be displayed.

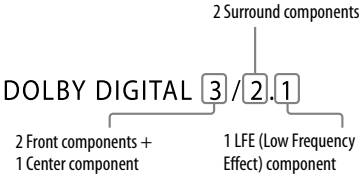
Displaying the audio information of the disc and USB device

(DVD VIDEO and video files only)
When you press AUDIO repeatedly during playback, the format of the current audio signal is displayed on the TV screen.

When playing a DVD VIDEO:

For example, in Dolby Digital format, multiple signals ranging from monaural to 5.1 channel signals can be recorded on a DVD VIDEO.

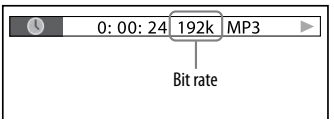
Example: For Dolby Digital 5.1 channel



Continued

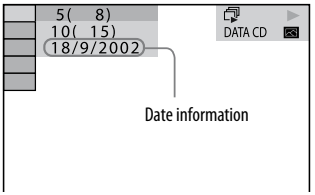
When playing a video file:

Example: For MP3 format



Checking the date information of JPEG image files

When "Exif"* tag is recorded in the JPEG image files, you can check the date information in the Control Menu by pressing DISPLAY during playback.



* "Exchangeable Image File Format" is a digital camera image format defined by the "Japan Electronics & Information Technology Industries Association" (JEITA).

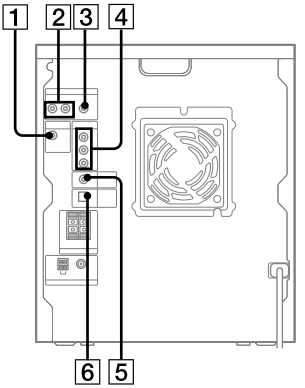
Note

The date information format varies depending on the area.

Hooking up optional components

To enhance your system, you can connect optional components. Refer to the operating instructions provided with each component.

Rear panel



1 SUBWOOFER OUT jack

Connect the audio input jack of an optional subwoofer.

Note

The effect may be limited or noise may occur depending on the connected subwoofer or the type of music being played back.

2 VIDEO/SAT AUDIO IN L/R jacks

Connect the audio output jacks of an optional component (such as VCR or satellite tuner).

3 VIDEO/SAT VIDEO IN jack

Connect the video output jack of an optional component (such as VCR or satellite tuner).

4 COMPONENT VIDEO OUT jacks

Connect the component video input jacks of the TV or projector. If your TV accept progressive format signals, you must use this connection and set "PROGRESSIVE (COMPONENT OUT)" to "ON" (page 29). You can enjoy higher quality video images.

Notes

- You cannot output the video signal from the VIDEO/SAT VIDEO IN jack through the COMPONENT VIDEO OUT jacks of this unit.
- You cannot output the video signal from an iPod through the COMPONENT VIDEO OUT jacks of this unit.

5 VIDEO OUT jack

Connect the video input jack of the TV or projector.

6 DVD DIGITAL OUT jack

Connect the digital optical input jack of an optional digital component (such as amplifier). You can enjoy 5.1 channel sound, if the connected amplifier equipped with Dolby Digital or DTS decoder.

Notes

- Sound is output only when the system function is set to "DVD" or "USB."
- If you press AUDIO, SOUND FIELD or the buttons related to Karaoke mode, or if you connect or disconnect microphones or headphones, the sound cuts off for a moment.

Continued

Listening to a connected VCR or satellite tuner

1 Press FUNCTION +/— repeatedly (or press VIDEO/SAT on the unit) to select "VIDEO" or "SAT."

2 Start playing the connected component.

To switch between the "VIDEO" and "SAT" function

Hold down VIDEO/SAT on the unit and press ■ on the unit while the system is on. The system switches the function from "VIDEO" to "SAT" or vice versa.

Note

If the sound is distorted or too loud when "VIDEO" is selected, change the function to "SAT."

Enjoying the multi channel sound with the optional amplifier

1 Connect the digital optical cord.
See "Hooking up optional components" (page 100).

2 Connect the speakers (not supplied) to an optional amplifier equipped with a decoder.
For the speakers placement, refer to the operating instructions supplied with the connected amplifier.

3 Start playing a multi channel source, such as a DVD VIDEO.

4 Select the desired audio format.
See "Changing the language/sound" (page 40).

Troubleshooting

Should you encounter a problem with your system, do the following:

1 Make sure the power cord and speaker cords are connected correctly and firmly.

2 Find your problem in the troubleshooting checklist below and take the indicated corrective action.

If the problem persists after doing all of the above, consult your nearest Sony dealer.

If the STANDBY indicator flashes

Immediately unplug the power cord, and check the following items.

- Are you using only the supplied speakers?
- Are the + and — speaker cords short-circuited?
- Is anything blocking the ventilation holes on the rear of the system?

After the STANDBY indicator stops flashing, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

General

The display starts flashing as soon as you plug in the power cord even though you have not turned on the system.

- Press DISPLAY once while the system is off. The demonstration disappears.

"– –:– –" appears in the display.

- A power failure has occurred. Set the clock (page 32) and timer settings (page 95) again.

The system does not turn on.

- Is the power cord plugged in?

The clock or timer setting is canceled.

- The power cord is disconnected or a power failure occurred. Redo "Setting the clock" (page 32). If you have set the timer, redo "Using the timers" (page 95).

There is no sound.

- Press VOLUME + repeatedly (or turn MASTER VOLUME on the unit clockwise).
- The headphones are connected to the PHONES jack.

Continued

- Check the speaker connections (page 23).
- There is no audio output during Rec Timer.
- The system is in pause mode, in Slow-motion Play or in Lock Search. Press ▷ (or ► on the unit) to start the playback.
- No sound is output when transferring music to the USB device.

There is no microphone sound.

- Press VOLUME + repeatedly (or turn MASTER VOLUME on the unit clockwise) or turn MIC LEVEL on the unit clockwise to adjust the microphone volume.
- Make sure the microphone is connected to MIC jack correctly.
- Make sure the microphone is turned on.

There is severe hum or noise.

- A TV or VCR is placed too close to the unit. Move the unit away from the TV or VCR.
- Move the unit away from the source of noise.
- Connect the unit to a different wall outlet.
- Install a noise filter (commercially available) to the power cord.

The timer does not function.

- Check the timer setting and set the correct time (page 96).
- Cancel the Sleep Timer function.

The remote does not function.

- Remove the obstacles between the remote and the unit.
- Move the remote closer to the unit.
- Point the remote at the unit's sensor.
- Replace the batteries (R6/size AA).
- Locate the unit away from the fluorescent light.

There is acoustic feedback.

- Reduce the volume.
- Move the microphone away from the speakers or change the direction of the microphone.

The color irregularity on the TV screen persists.

- Turn off the TV set once, then turn it on after 15 to 30 minutes. If the color irregularity still persists, place the speakers farther away from the TV set.

The sound from the component connected to the VIDEO/SAT AUDIO IN L/R jacks is distorted.

- If "VIDEO" appears in the display when you press VIDEO/SAT on the unit, switch the display to "SAT" (see "To switch between the "VIDEO" and "SAT" function" (page 102)).

"THEATRE SYNC" function does not work.

- If distance between the TV and this unit is too far, this function may not work. Install the unit near the TV.

Speakers

Sound comes from one channel or unbalanced left and right volume.

- Place the speakers as symmetrically as possible.
- Check that the speakers are connected securely and correctly.
- The source being played back is monaural.

Sound lacks bass.

- Check that the speaker's + and — terminals are connected correctly.

Disc Player

The disc does not eject and "LOCKED" appears in the display.

- Consult your nearest Sony dealer or local authorized Sony service facility.

The disc tray does not close.

- Load the disc correctly.
- Always close the disc tray by pressing OPEN/CLOSE ⏏ on the unit. Do not forcibly push the disc tray to close it as this may cause a malfunction.

The system does not eject the disc.

- You cannot eject the disc when performing USB TRANSFER. Press ■ to cancel the operation, then press OPEN/CLOSE ⏏ on the unit to eject the disc.
- Consult your nearest Sony dealer.

Playback does not start.

- Check whether a disc is loaded.
- Wipe the disc clean (page 120).
- Reload the disc.
- Load the disc that this system can play back (page 8, 36).
- Load the disc on the disc tray with the label side facing up.

Continued

- Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.
- Press ▷ (or ► on the unit) to start playback.
- The region code on the DVD VIDEO does not match the system.

The sound skips.

- Wipe the disc clean (page 120).
- Reload the disc.
- Move the unit to a place without vibration (e.g., on top of a stable stand).
- Move the speakers away from the unit, or place them on separate stands. When you listen to a track or file with bass sounds at high volume, the speaker vibration may cause the sound to skip.

Playback does not start from the first track.

- Shuffle Play mode, Program Play mode or Repeat Play mode is selected.
- Resume playback has been selected. Press ■ twice. Then, press ▷ (or ► on the unit) to start playback.
- The title of DVD VIDEO or PBC menu automatically appears on the TV screen.

Playback starts automatically.

- The DVD VIDEO features an auto playback function.

Playback stops automatically.

- Some discs may contain an auto pause signal. While playing such a disc, the playback stops at auto pause signal.

You cannot perform some functions such as Stop, Lock Search, Slow-motion Play, Repeat Play, Shuffle Play or Program Play.

- Depending on the disc, you may not be able to do some of the operations above. Refer to the operating instructions supplied with the disc.

The DATA CD/DVD (MP3 file/JPEG image file/DivX video file/MPEG4 video file) cannot be played back.

- The DATA CD is not recorded in a format that conforms to ISO 9660 Level 1, Level 2, or Joliet (expansion format).
- The DATA DVD is not recorded in a format that conforms to UDF (Universal Disk Format).
- The MP3 file does not have the extension ".mp3".
- The data is not stored in the desired format.
- The audio file is not stored in MP3 (MPEG 1 Audio Layer 3) format.
- The system can play back to a depth of 8 folders only.
- The disc contains more than 200 folders.
- The folder contains more than 150 files.
- The JPEG image file does not have the extension ".jpg" or ".jpeg".
- The JPEG image file is larger than 3,072 (width) × 2,048 (height) pixels in normal mode, or more than 2,000,000 pixels in Progressive JPEG mode which is mainly used on the Internet website.
- For MP3 files and JPEG image files, the DATA CD/DVD contains a video file.
- The MPEG4 video file does not have the extension ".mp4" or ".m4v".
- The DivX video file does not have the extension ".avi" or ".divx".
- DivX and MPEG4 video files cannot be played back on LBT-LCD77Di.
- The video file is larger than 720 (width) × 576 (height) pixels.
- If you cannot change the "MEDIA" setting, re-load the disc or turn the system off, then on.

The MP3 files take longer time to play back than others.

- After the system reads all the MP3 files on the disc, playback may take more time than usual if:
  - the number of folders or MP3 files on the disc is very large.
  - the file structure is extremely complex.

"Data error" appears on the TV screen when playing a DATA CD/DVD.

- The MP3 file/JPEG image file you want to play is broken.
- The MP3 file does not conform to MPEG 1 Audio Layer 3.
- The JPEG image file format does not conform to DCF.
- The JPEG image file has the extension ".jpg" or ".jpeg", but is not in JPEG format.
- The DivX video file has the extension ".avi" or ".divx", but is not in DivX format.

Continued

- The DivX video file does not conform to a DivX Certified profile.
- The MPEG4 video file has the extension ".mp4" or ".m4v", but does not conform to MPEG4 Simple Profile.

The disc title, CD-TEXT and DVD-TEXT characters do not appear properly.

- The disc is recorded in format other than ISO 9660 Level 1, Level 2 or Joliet (expansion).
- The character code that can be displayed by this system are as follows:
  – Upper cases (A to Z)
  – Numbers (0 to 9)
  – Symbols (< > * +, ? / [ ] \ _)
  Other characters appear as "_."

The surround effect is difficult to hear when you are playing a Dolby Digital or MPEG audio sound track.

- Make sure the sound field is set properly (page 89).
- Check the speaker connection (page 23).
- Depending on the DVD VIDEO, the output signal may not be the entire 5.1 channel. It may be monaural or stereo, even if the sound track is recorded in Dolby Digital or MPEG audio format.

The sound loses stereo effect when you play back a DVD VIDEO, VIDEO CD, AUDIO CD, MP3 file or video file.

- Unplug the microphone or press KARAOKE MODE repeatedly until "KARAOKE MODE: OFF" appears in the display.
- Make sure the system is connected properly.
- Check the speaker connection (page 23).

iPod

"Overload occurred. Turn off the system and remove USB device." appears.

- A problem has been detected with the level of electrical current from the iPod connector. Turn off the system and remove the iPod from the iPod connector. Make sure there is no problem with the iPod. If this display pattern persists, contact your nearest Sony dealer.

There is no sound.

- Make sure the iPod is connected securely.
- Make sure the iPod is updated with the latest software. If not, update the iPod before using with the system.
- Make sure the iPod is playing music.
- Adjust the volume.
- It may take time to start playback depending on the contents.

The sound is distorted.

- Make sure the iPod is connected securely.
- Turn down the volume.
- Set the "EQ" setting of the iPod to "Off" or "Flat."

The iPod does not function.

- Make sure the iPod is connected securely.
- Make sure the iPod is updated with the latest software. If not, update the iPod before using with the system.
- Because the operation of the system and the iPod are different, you may not operate the iPod using buttons on the remote or unit. In this case, use control buttons on the iPod.

The iPod cannot be charged.

- Make sure the iPod is connected securely.
- You can use the system as a battery charger for iPod only when the system is on.

Video/photo image from the iPod does not appear on the TV screen.

- Make sure the iPod is connected securely.
- Set the operating mode to the iPod Display mode to display photo images (page 66).
- Check that the TV output setting on the iPod is on. (Refer to the user's guide of your iPod.)
- Check that the iPod is compatible with video output. (Refer to the user's guide of your iPod.)

Video/photo image from the iPod does not appear on the iPod display.

- Make sure the iPod is connected securely.
- Adjust the video/photo image output settings to the appropriate settings.

On screen display does not appear on the TV screen.

- Make sure the iPod is connected securely.
- Check that the operating mode is set to the Main Display mode (page 66).

USB device

You cannot start transferring or recording to a USB device.

- The following problems may have occurred.
  - —The USB device is full.
  - —The number of files and folders on the USB device has reached the upper limit.
  - —The USB device is write-protected.

Transferring or recording is stopped before it is finished.

- You are using an unsupported USB device. See "Compatible devices with this system" (page 126) for the supported device types.
- The USB device is not formatted correctly. Refer to the operating instructions supplied with the USB device for how to format.
- Turn off the system and remove the USB device. If the USB device has a power switch, turn the USB device off and then on again after removing it from the system. Then perform transferring or recording again.

Continued

- If the transfer, recording and erase operations are repeated multiple times, the file structure within the USB device becomes fragmented. Refer to the operating instructions supplied with the USB device for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Transferring or recording results in an error.

- You are using an unsupported USB device. See "Compatible devices with this system" (page 126) for the supported device types.
- Turn off the system and remove the USB device. If the USB device has a power switch, turn the USB device off and then on again after removing it from the system. Then perform transferring or recording again.
- The USB device was disconnected or the power was turned off during the transfer or recording process. Delete the partially-transferred file or partially-recorded file, and perform transferring or recording again. If this does not fix the problem, the USB device may be broken. Refer to the operating instructions supplied with the USB device for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

MP3 files or folders on the USB device cannot be erased.

- Check if the USB device is write-protected.
- The USB device was disconnected or the power was turned off during the erase operation. Delete the partially-erased file. If this does not fix the problem, the USB device may be broken. Refer to the operating instructions supplied with the USB device for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Are you using a supported USB device?

- If you connect an unsupported USB device, the following problems may occur. See "Compatible devices with this system" (page 126) for the supported device types.
  - The USB device is not recognized.
  - File or folder names are not displayed on this system.
  - Playback is not possible.
  - The sound skips.
  - There is noise.
  - A distorted sound is output.
  - Transferring or recording stops before it is finished.

"OVER CURRENT" appears.

- A problem has been detected with the level of electrical current from the ⇧ (USB) port. Turn off the system and remove the USB device from the ⇧ (USB) port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

There is no sound.

- The USB device is not connected correctly. Turn off the system and reconnect the USB device, then turn on the system and check if "USB MEMORY" lights up.

There is noise, skipping, or distorted sound.

- Turn off the system, then reconnect the USB device.
- The music data itself contains noise, or the sound is distorted. Noise may have entered during the transfer or recording process. Delete the file, and try transferring or recording again.
- The bit rate used when encoding audio files was low. Send audio files with higher bit rate to the USB device.

The USB device cannot be connected into the ⇧ (USB) port.

- The USB device is being connected backwards. Connect the USB device in the correct orientation.

"READING" is displayed for an extended time, or it takes a long time before playback starts.

- The reading process can take a long time in the following cases.
  - —There are many folders or files on the USB device.
  - —The file structure is extremely complex.
  - —The memory capacity is excessive.
  - —The file size is extremely large.
  - —The internal memory is fragmented.

  Thus, we recommend following these guidelines.
  - —Total folders on USB device: 200 or less
  - —Total files per folder: 150 or less

Erroneous display

- Send the music data to the USB device again, as the data stored in the USB device may have been corrupted.
- The character code that can be displayed by this system are as follows:
  - — Upper cases (A to Z)
  - — Numbers (0 to 9)
  - — Symbols (< > * +, ? / [ ] \ _)

  Other characters appear as "_."

Continued

The USB device is not recognized.

- Turn off the system and reconnect the USB device, then turn on the system.
- See "Compatible devices with this system" (page 126) for the supported device types.
- The USB device does not work properly. Refer to the operating instructions supplied with the USB device for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

"Data error" appears on the display when playing a USB device.

- The MP3 file/JPEG image file you want to play is broken.
- The JPEG image file format does not conform to DCF.
- The JPEG image file has the extension ".jpg" or ".jpeg", but is not in JPEG format.

Play does not start.

- Turn off the system and reconnect the USB device, then turn on the system.
- See "Compatible devices with this system" (page 126) for the supported device types.
- Press ▷ (or ► on the unit) to start playback.

Play does not start from the first track.

- Set the play mode to Normal Play mode.

Files cannot be played back.

- The MP3 file does not have the extension ".mp3".
- The WMA file does not have the extension ".wma".
- The AAC file does not have the extension ".m4a".
- The DivX video file does not have the extension ".avi" or ".divx".
- The MP4 file does not have the extension ".mp4".
- The audio file is not stored in MP3/WMA/AAC format.
- The video file is not stored in MP4/DivX format.
- DivX and MPEG4 video files cannot be played back on LBT-LCD77Di.
- The JPEG image file does not have the extension ".jpg" or ".jpeg".
- The JPEG image file is larger than 3,072 (width) × 2,048 (height) pixels in normal mode, or more than 2,000,000 pixels in Progressive JPEG mode which is mainly used on the Internet website.
- Check the "MEDIA" setting (page 133).
- USB device formatted with file systems other than FAT12, FAT16 or FAT32 are unsupported.*
- The MP3 file is not stored in MP3 (MPEG 1 Audio Layer 3) format.

- The WMA file stored in WMA DRM/ WMA Lossless/WMA PRO format cannot be played back.
- The AAC file stored in copyright-protected AAC or AAC Lossless format cannot be played back.
- AAC files encoded at a sampling frequency of 96 kHz cannot be played back.
- If you use a partitioned USB device, only audio files on the first partition can be played.
- The system can play back to a depth of 8 folders only.
- The number of folders has exceeded 200.
- The number of files has exceeded 150.
- Files that are encrypted or protected by passwords, etc. cannot be played back.

* This system supports FAT12, FAT16 and FAT32, but some USB devices may not support all of these FAT. For details, see the operating instructions of each USB device or contact the manufacturer.

Picture

There is no picture.

- The "VIDEO/SAT" function is selected, but there is no input signal.
- Check that the system is connected securely.
- The video cord is damaged. Replace it with a new one.
- Make sure you connect the unit to the video input jack of your TV (page 101).
- Make sure you turn on the TV and operate the TV correctly.
- Make sure you select the video input on the TV so that you can view the pictures from the system.
- Make sure you set the color system correctly, according to your TV's color system (Australian model only).
- Make sure you connect the unit and your TV using only the supplied video cord.
- Set "PROGRESSIVE (COMPONENT OUT)" to "OFF" if you connect your TV to the COMPONENT VIDEO OUT jacks and your TV cannot accept progressive signal.
- You have set to progressive format but your TV cannot accept the signal in progressive format. In this case, connect the VIDEO OUT jack to the TV and set to the Interlace format (page 27).

Continued

- Even if your TV is compatible with progressive format (525p/625p) signals, the image may be affected when you set to progressive format. In this case, set to interlace format (the default setting) (page 29).

Picture noise appears.

- Wipe the disc clean (page 120).
- If video signal from your system has to go through your VCR to your TV, the copy-protection applied to some DVD VIDEO programs could affect the picture quality.
- When you play back a VIDEO CD recorded in a different color system from the one you set to the system, the picture image may be distorted (Australian model only) (page 61).
- When you connect your TV to the COMPONENT VIDEO OUT jacks and play back video-based software in progressive signal format, some sections of the image may appear unnatural due to the conversion process.
- Set the color system to match your TV (Australian model only) (page 28).

The aspect ratio of the TV screen cannot be changed even though you can set "TV TYPE" under "VIDEO SETUP" in the Setup Menu when you play back a wide picture.

- The aspect ratio is fixed on your DVD VIDEO.
- Depending on the TV, you may not change the aspect ratio.

Messages do not appear on the TV screen in your desired language.

- Select the language for the on-screen display in "OSD" under "LANGUAGE SETUP" in the Setup Menu (page 33, 59).

The language for the sound track cannot be changed.

- Multilingual tracks are not recorded on the DVD VIDEO being played back.
- The DVD VIDEO prohibits changing the language for the sound track.

The subtitles language cannot be changed.

- Multilingual subtitles are not recorded on the DVD VIDEO being played back.
- The DVD VIDEO prohibits changing the subtitles.

The subtitles cannot be turned off.

- The DVD VIDEO prohibits turning off subtitles.

The angles cannot be changed.

- Multi-angles are not recorded on the DVD VIDEO being played back.
- The DVD VIDEO prohibits changing the angles.

Tuner

The radio presetting is canceled.

- The power cord is disconnected or a power failure occurred for longer than a day. Redo "Presetting a radio station" (page 65).

There is severe hum or noise. ("TUNED" or "STEREO" flashes in the display.)

- Set the proper band and frequency (page 64).
- Connect the antenna properly (page 23).
- Find a place and an orientation that provide good reception, then set up the antenna again. If you cannot obtain good reception, we recommend that you connect a commercially available external antenna.
- The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully.
- Locate the antennas as far away from the speaker cords and the power cord as possible, to avoid picking up noise.
- Try turning off the surrounding electrical equipment.

A stereo FM program cannot be received in stereo.

- Press REPEAT/FM MODE repeatedly until "MONO" disappears from the display.

Optional components

There is no sound.

- Refer to General item "There is no sound." (page 103) and check the condition of the system.
- Connect the component properly (page 100) while checking:
  - if the cords are connected properly.
  - if the cord plugs are firmly inserted all the way.
- Turn on the connected component.
- Refer to the operating instructions supplied with the connected component and start playback.

To change the AM tuning interval

The AM tuning interval is factory-preset to 9 kHz (or 10 kHz for some areas). Use buttons on the unit for the operation.

1 Press TUNER/BAND repeatedly to select "AM."

2 Press I/⏻ to turn off the system.

Continued

3 Press DISPLAY repeatedly until "Sony DEMO" appears in the display.

4 Press I/⏻ while holding down TUNING +.
"AM 9K STEP" or "AM 10K STEP" appears in the display.
When you change the interval, all the AM preset stations are erased.

If the system still does not operate properly after performing the above measures or other troubles not described above occur, reset the system as follows:

Use buttons on the unit to reset the system to its factory default settings.

1 Unplug the power cord.

2 Plug the power cord back in.

3 Press I/⏻ to turn on the system.

4 While holding down ■, press DISC 3 and press I/⏻ at the same time.
"COLD RESET" appears in the display.
The system is reset to the factory settings except for the "SETUP" settings. You should set the settings you made, such as the preset stations, clock and timer.

To return the "SETUP" settings to the default settings*, perform reset as follows:

1 Press DISPLAY when playback is stopped.
The Control Menu appears on the TV screen.

2 Press ↑ or ↓ repeatedly to select (SETUP), then press ENTER.

3 Press ↑ or ↓ repeatedly to select "CUSTOM," then press ENTER.
The Setup Menu appears.

4 Press ↑ or ↓ repeatedly to select "SYSTEM SETUP," then press ENTER.

5 Press ↑ or ↓ repeatedly to select "RESET," then press ENTER.

6 Press ← or → repeatedly to select "YES," then press ENTER.
It takes a few seconds to complete.
Do not press I/⏻ when resetting the system.

* Except for "PARENTAL CONTROL" settings

Self-diagnosis Function

(When letters/numbers appear in the display)
When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g. C 13 50) with a combination of a letter and 4 digits appears on the TV screen or the front panel display. In this case, check the following table.

First 3 characters of the service number	Cause and corrective action
C 13	This disc is dirty. • Clean the disc with a soft cloth (page 120).
C 31	The disc is not inserted correctly. • Restart the system, then re-insert the disc correctly.
E XX (XX is a number)	To prevent a malfunction, the system has performed the self-diagnosis function. • Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number. Example: E 61 10

When displaying the version number on the TV screen

When you turn on the system, the version number [VER.X.XX] (X is a number) may appear on the TV screen. Although this is not a malfunction and for Sony service use only, normal system operation will not be possible. Turn off the system, and then turn on the system again to operate.

Messages

Messages similar to the following, or more detailed information, may appear on the TV screen during operation.

CANNOT PLAY

- A disc that cannot be played back was inserted.
- A DVD VIDEO with unsupported region code was inserted.

Continued

DATA ERROR
You tried to play a file on the USB device that is not playable.

DATA ERROR (for DATA CD/DVDs)
- The MP3 file, JPEG image file, DivX video file and MPEG4 video file you want to play back is damaged.
- The MP3 file does not conform to MPEG 1 Audio Layer 3 format.
- The JPEG image file does not conform to DCF format.
- The MP3 file has the extension ".mp3", but is not in MP3 format.
- The JPEG image file has the extension ".jpg" or ".jpeg", but is not in JPEG format.
- The DivX video file does not conform to DivX Certified profiles.
- The DivX video file has the extension ".avi" or ".divx", but is not in DivX format.
- The MPEG4 video file has the extension ".mp4" or ".m4v", but does not conform to MPEG4 Simple Profile.

DEVICE ERROR
The USB device could not be recognized or an unknown device is connected.

DEVICE FULL
The USB device is full.

DVD NO DISC
There is no disc on the disc tray.

ERASE ERROR
Erase of audio files or folders on the USB device failed.

FATAL ERROR
The USB device has been disconnected while transferring to the USB device.

FOLDER FULL
The number of folders on the USB device has reached the maximum.

HUB NOT SUPPORTED
You have connected a USB hub to this system.

INVALID
You have pressed an invalid button.

JPEG
A JPEG image file is being played back.

NO AUDIO
There is no audio file in the selected folder.

NO DATA
There is no file or folder to play back.

NO USB DEVICE
No USB device is connected.

NOT IN USE
You have pressed a button whose operation is not allowed or invalid at that time.

NOT SUPPORT
An unsupported USB device is connected.

OFF TIME NG!
The on time and off time of Play Timer or Rec Timer is the same.

OVER CURRENT
An over current from the ⇐ (USB) port was detected.

PASSWORD
"PARENTAL CONTROL" is set.

PLEASE WAIT
- The system is doing initialization process.
- The system is readying for usage of a USB device.

PROTECTED
The USB device is write-protected.

PUSH STOP
You have pressed the buttons whose operation is only possible when playback is stopped.

READING
- The system is reading information of the disc. Some buttons are not available.
- The system is recognizing the USB device.

REC ERROR
Transferring did not start, stopped partway, or otherwise could not be performed.

TRACK FULL
The number of audio files on the USB device has reached the maximum.

Precautions

Notes on discs

- Before playing, wipe the disc with a cleaning cloth from the center out to the edge.
- Do not clean discs with solvents, such as benzine, thinner, or commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

Region code of DVD VIDEOs you can play back on this system

Your system has a region code printed on the back of the unit and will only play back DVD VIDEOs labeled with identical region code.
DVD VIDEOs labeled will also be played back on this system.
If you try to play back any other region code DVD VIDEO, the message "Playback prohibited by area limitations." will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be labeled even though playing the DVD VIDEO is prohibited by area restrictions.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Notes on CD-R/-RW and DVD-R/ -RW/+R/+RW

- In some cases, CD-Rs/-RWs and DVD-Rs/-RWs/+Rs/+RWs cannot be played back on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software. The disc will not be played back if it has not been correctly finalized. For more information, see the operating instructions for the recording device.
- Note that some playback functions may not work with some DVD+Rs/ +RWs, even if they have been correctly finalized. In this case, view the disc by normal playback.
- A disc created in Packet Write format cannot be played back.

Note on playback operations of DVD VIDEOs and VIDEO CDs

Some playback operations of DVD VIDEOs and VIDEO CDs may be intentionally set by software producers. Since this system play back DVD VIDEOs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVD VIDEOs or VIDEO CDs.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Notes on Multi Session disc

- If the first session is recorded in AUDIO CD or VIDEO CD format, only the first session will be played back.
- The system will recognize a Multi Session disc as an AUDIO CD if there is a session recorded in AUDIO CD format on the disc. However, the system will only play back the disc if the first session is recorded in AUDIO CD format.
- This system can play back Multi Session discs when an MP3 file, a JPEG image file, a DivX video file or an MPEG4 video file is contained in the first session. Any subsequent MP3 files, JPEG image files, DivX video files or MPEG4 video files recorded in later sessions can also be played back.

Note on copyright-protected content

The transferred music is limited to private use only. Use of the music beyond this limit requires permission of the copyright holders.

On cleaning discs, disc/lens cleaner

Do not use a commercially available cleaning disc or disc/lens cleaner (wet or spray type). These may cause apparatus to malfunction.

On operating voltage

Before operating the system, check that the operating voltage of the unit is identical with the voltage of your local power supply.

On safety

- Completely disconnect the power cord (mains lead) from the wall outlet (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.

Continued

On placement

- Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the unit or speakers on surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.
- If the system is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the DVD player, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for about an hour until the moisture evaporates.

On heat buildup

- Heat buildup on the unit during operation is normal and is not cause for alarm.
- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not obstruct the ventilation holes.

In case color irregularity is observed on a nearby TV screen

With the magnetically shielded type of speakers, the speakers can be installed near a TV set. However, color irregularity may still be observed on the TV screen depending on the type of your TV set. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

IMPORTANT NOTICE

Caution: If you leave a still video image or on-screen display image displayed on your TV for an extended period of time via this system, you risk permanent damage to your TV screen. Projection TVs are especially susceptible to this.

Cleaning the cabinet

Clean this system with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzine, or alcohol.

Specifications

Main unit

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(North American model only)
With 6 ohm loads, both channels driven, from 120 — 10,000 Hz; rated 85 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 800 milliwatts to rated output.

Amplifier section

North American model:
RMS output power (reference):
210 W + 210 W (per channel at 6 Ω, 1 kHz)
Other models:
The following measured at AC 240 V, 50/60 Hz
Power output (rated):
105 W + 105 W (at 6 Ω, 1 kHz, 1% THD)
RMS output power (reference):
210 W + 210 W (per channel at 6 Ω, 1 kHz)

Inputs

VIDEO/SAT VIDEO IN (phono jack):
1 Vp-p, 75 Ω
VIDEO/SAT AUDIO IN L/R (phono jacks):
voltage 250/450 mV, impedance 47 kΩ
MIC (phone jack):
sensitivity 1 mV, impedance 10 kΩ

Outputs

VIDEO OUT (phono jack):
max. output level 1 Vp-p, unbalanced, Sync negative, load impedance 75 Ω
COMPONENT VIDEO OUT
Y: 1 Vp-p, 75 Ω
PB: 0.7 Vp-p, 75 Ω
PR: 0.7 Vp-p, 75 Ω
DVD DIGITAL OUT (Square optical connector jack, rear panel):
Wavelength 650 nm
PHONES (stereo mini jack):
accepts headphones of 8 Ω or more
SUBWOOFER OUT:
Voltage 1 V, impedance 1 kΩ
SPEAKERS
MHC-GZR333i:
Use only the supplied speaker SS-GZR777D.
LBT-LCD77Di:
Use only the supplied speaker SS-LCD77DI.
(USB) port: Type A
Maximum current:
500 mA

Continued

Disc player section

System:
Compact disc and digital audio and video system
Laser Diode Properties
Emission Duration: Continuous
Laser Output*: Less than 44.6μW
* This output is the value measurement at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.
Frequency response
DVD (PCM 48 kHz): 2 Hz — 22 kHz (±1 dB)
CD: 2 Hz — 20 kHz (±0.5 dB)
Video color system format
North American model: NTSC
Other models: NTSC and PAL

Tuner section

FM stereo, FM/AM superheterodyne tuner
FM tuner section
Tuning range
North American model:
87.5 MHz — 108.0 MHz (100 kHz step)
Other models:
87.5 MHz — 108.0 MHz (50 kHz step)
Antenna:
FM lead antenna
Antenna terminals:
75 Ω unbalanced
Intermediate frequency:
10.7 MHz

AM tuner section
Tuning range
Australian model:
531 kHz — 1,710 kHz (9 kHz step)
530 kHz — 1,710 kHz (10 kHz step)
Other models:
530 kHz — 1,710 kHz (10 kHz step)
531 kHz — 1,710 kHz (9 kHz step)
Antenna:
AM loop antenna
Antenna terminals:
External antenna terminal
Intermediate frequency:
450 kHz

Speaker

Front speaker (SS-GZR777D) for MHC-GZR333i

Front speaker (SS-LCD77DI) for LBT-LCD77Di

Speaker system:
3-way, Bass reflex, Magnetically shielded
Speaker unit
Woofer: 180 mm, cone type
Tweeter: 50 mm, horn type
Super Tweeter: 40 mm, horn type
Rated impedance: 6 Ω
Dimensions (W/H/D):
Approx. 255 mm × 350 mm × 255 mm
Mass:
Approx. 5.2 kg

General

Power requirements
North American model:
AC 120 V, 60 Hz
Australian model:
AC 230 V — 240 V, 50/60 Hz
Mexican model:
AC 127 V, 60 Hz
Other models:
AC 120 V, 220 V, 230 V — 240 V, 50/60 Hz, adjustable with voltage selector

Power consumption:
150 W

Dimensions (W/H/D) (excl. speakers):
Approx. 280 mm × 325 mm × 430 mm

Mass (excl. speakers):
Approx. 11.2 kg

Supplied accessories:
Remote Commander (1)
AM loop antenna (1)
FM lead antenna (1)
Video cord (1)
Speaker pads (8)
R6 (Size AA) batteries (2)

Supported file format

MP3 (MPEG 1 Audio Layer-3)

File extension: .mp3
Bitrate: 32 kbps — 320 kbps, VBR
Sampling frequencies: 32/44.1/48 kHz
DRM: Not compatible

WMA

File extension: .wma
Bitrate: 48 kbps — 192 kbps
Sampling frequencies: 44.1 kHz
DRM: Not compatible

AAC

File extension: .m4a
Bitrate: 48 kbps — 320 kbps
Sampling frequencies: 44.1 kHz
DRM: Not compatible

DivX

File extension: .avi/.divx
Video codec: DivX video
Bitrate: 8 Mbps (MAX)
Frame rate: 30 fps
Resolution: 720 × 576 pixels
Audio codec: MP3

Continued

MPEG4
File format: MP4 File Format
File extension: .mp4/.m4v
Video codec:
MPEG4 Simple Profile
(AVC is not compatible.)
Bitrate: 4 Mbps
Frame rate: 30 fps
Resolution: 720 × 576 pixels
Audio codec:
AAC-LC
(HE-AAC is not compatible.)
DRM: Not compatible

Design and specifications are subject to change without notice.

- Standby power consumption: 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.

Compatible devices with this system

You can use the following devices on this system.

Verified Sony USB devices

Product name	Model name
Walkman®	NWD-B103 / B105 / B103F / B105F
	NWD-E023F / E025F
	NWZ-A815 / A816 / A816B / A818
	NWZ-A726 / A726B / A728 / A728B / A729 / A826 / A828 / A829
	NWZ-B133 / B135 / B133F / B135F
	NWZ-E435F / E436F / E438F
	NWZ-S515 / S516 / S615F / S616F / S618F / S715F / S716F / S718F
	NWZ-S636F / S638F / S639F / S736F / S738F / S739F
IC Recorder	ICD-UX71 / UX81 / UX91
	ICD-SX700 / SX800 / SX900
MICROVAULT	USM512JX / 1GJX / 2GJX / 4GJX
	USM512JX / 1GJX / 2GJX / 4GJX
	USM1GL / 2GL / 4GL / 8GL / 16GL
	USM1GLX / 2GLX / 4GLX / 8GLX / 16GLX

Verified Sony Ericsson mobile phone

Product name	Model name
Walkman® phone	W302 / W350i / W380i / W580i / W595 / W660i / W710i / W760i / W850i / W880i / W890i / W902 / W910i / W960i / W980

Notes

- When formatting the USB device, be sure to format using the device itself or the dedicated formatting software for that device. Otherwise, you may be unable to transfer music to the USB device properly on this system.
- Do not use USB devices other than these USB devices. Operation of models not listed here is not guaranteed.
- Operation may not always be ensured even when using these USB devices.
- Some of these USB devices may not be available for purchase in certain areas.

Notes on using the Sony Ericsson mobile phone

- Connect to this system with the power of the mobile phone on.
- When connecting to this system, set the data transfer mode of your mobile phone to File Transfer (Mass Storage). For details, refer to the operation manual supplied with the mobile phone.
- Use the USB cable supplied with the mobile phone when connecting to this system.
- While the mobile phone is connected to this system, do not insert or remove the memory card.
- Some files supported by the mobile phone are not supported by this system.
- In the case that the song which is registered as the playlist in the mobile phone is erased by this system, the playlist registration is not deleted.
- The Play Timer and Rec Timer in this system are not supported.

Notes on Walkman®

- Some files supported by the Walkman® are not supported by this system.
- When transferring music to a Walkman® using "Media Manager for WALKMAN," be sure to transfer in MP3 format.
- When connecting a Walkman® to the system, be sure to connect after the display "Creating Library" or "Creating Database" on the Walkman® has disappeared.

Compatible iPod models with this system

You can use the following iPod models on this system. Update your iPod with the latest software before using it.

iPod nano
5th generation
(video camera)

iPod touch
2nd generation

iPod classic
120 GB
160 GB (2009)

iPod nano
4th generation
(video)

iPod classic
160 GB (2007)

iPod touch
1st generation

iPod nano
3rd generation
(video)

iPod classic
80 GB

iPod nano
2nd generation
(aluminum)

iPod
5th generation
(video)

iPod nano
1st generation

iPod
4th generation
(color display)

iPod
4th generation

iPod mini

Guide to the Control Menu display

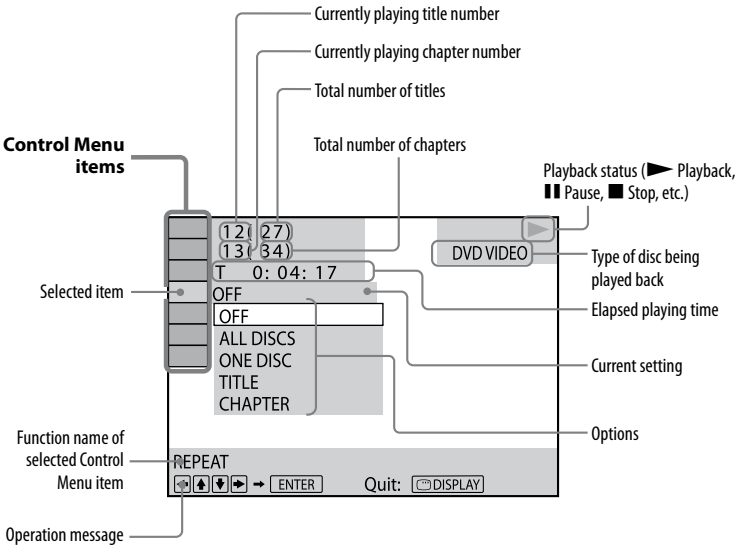
Use the Control Menu to select a function and to view related information. Press DISPLAY repeatedly to turn on, turn off or change the Control Menu display as follows:

Control Menu display 1 → Control Menu display 2* → Control Menu display off → Control Menu display 1 → …

* Control Menu display 2 appears when available.

Control Menu display

The Control Menu display 1 and 2 will show different items depending on the disc type.
Example: Control Menu display 1 when playing a DVD VIDEO



To turn off the Control Menu

Press DISPLAY repeatedly until the Control Menu disappears from the TV screen.

Continued

List of Control Menu items

Item	Item Name, Function, Relevant Disc Type
	[TITLE] (page 43)/[SCENE]/[TRACK] (page 43) Selects the title, scene or track to be played back. DVD-V DVD-VR VIDEO CD
	[CHAPTER]/[INDEX] (page 43) Selects the chapter or index to be played back. DVD-V DVD-VR VIDEO CD
	[TRACK][1] (page 43) Selects the track or audio file to be played back. CD DATA CD DATA DVD
	[ORIGINAL/PLAY LIST] (page 42) Selects the playback sequence either to the originally recorded sequence or to the playlist created on the disc. DVD-VR
	[TIME][1] (page 44) Checks the elapsed playing time and the remaining time. You can play from a desired point by inputting the time code (DVD VIDEO/DVD-VR only). DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD
	[PROGRAM] (page 50) Plays back the tracks in the order you want. VIDEO CD CD
	[SHUFFLE][1] (page 52, 84) Plays back the tracks or audio files in random order. VIDEO CD CD DATA CD DATA DVD

Item	Item Name, Function, Relevant Disc Type
	[REPEAT][1] (page 53, 84) Plays back all discs repeatedly, the entire disc (all titles/all tracks/all files/all folders) repeatedly or one title/chapter/track/folder/file repeatedly. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD
	[A/V SYNC] (page 55) You can adjust the delay between the picture and sound. DVD-V DVD-VR VIDEO CD DATA CD DATA DVD
	[SETUP][1] (page 33, 58) **QUICK** Use "QUICK" Setup to choose the language of the on-screen display and the aspect ratio of the TV screen. **CUSTOM** In addition to the "QUICK" setup setting, you can adjust other settings. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD
	[FOLDER][1] (page 54, 75) Selects the folder to be played back. DATA CD DATA DVD
	[FILE][1] (page 54) Selects the JPEG image file or video file to be played back. DATA CD DATA DVD
	[DATE][1] (page 100) Displays the date when the picture was taken by a digital camera. DATA CD DATA DVD
	[INTERVAL][1] (page 49, 83) Specifies the duration for which the slides are displayed on the TV screen. DATA CD DATA DVD

Continued

Item	Item Name, Function, Relevant Disc Type
	[EFFECT][1] (page 49, 83) Selects the transition effects to be used for changing slides during a slide show. DATA CD DATA DVD
: LBT-LCD77Di : MHC-GZR333i	**[MEDIA][1] (page 44, 48, 50, 80)** Selects the data type (audio file, JPEG image file, video file, or both MP3 file and JPEG image file) to be played back. DATA CD DATA DVD
	[USB TRANSFER] (page 75) Transfers music on an AUDIO CD or DATA CD/DVD to a USB device. CD DATA CD DATA DVD
	[KARAOKE MODE][1] (page 90) Sets Karaoke mode to on or off. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD
	[VOCAL SELECT][2] (page 92) Selects the guide vocal recorded on the "Dolby Digital Karaoke" Format disc (DVD VIDEO only). Selects the vocal type recorded on the disc (VIDEO CD, AUDIO CD only). Turns off the vocal. DVD-V VIDEO CD CD
	[SCORE MODE][1][2] (page 93) Calculates your vocal score by comparing your voice with the music source. DVD-V DVD-VR VIDEO CD CD DATA CD DATA DVD

[1] These functions are the same when using a USB device. However, some menu items may not be available.

[2] This function is only available during Karaoke mode.

Playback priority of file types

The table below describes the playback priority of file types under the "MEDIA" setting.

File type on a disc or USB device	"MEDIA" setting				
	VIDEO[1]		MUSIC/ PHOTO	MUSIC	PHOTO
	Disc	USB device	Disc	Disc/USB device	Disc/USB device
Video files[1] only	Video files[1]	Video files[1]	Video files[1]	Video files[1]	Video files[1]
JPEG image files only	JPEG image files	JPEG image files	JPEG image files	JPEG image files	JPEG image files
Audio files only	MP3 files	Audio files	MP3 files	Audio files[2]	Audio files[2]
Video files[1] and JPEG image files	Video files[1]	Video files[1]	JPEG image files	Video files[1]	JPEG image files
Video files[1] and audio files	Video files[1]	Video files[1]	MP3 files	Audio files[2]	Audio files[2]
Audio files and JPEG image files	MP3 files and JPEG image files with slide show	Audio files	MP3 files and JPEG image files with slide show	Audio files[2]	JPEG image files
Video files[1], audio files, and JPEG image files	Video files[1]	Video files[1]	MP3 files and JPEG image files with slide show	Audio files[2]	JPEG image files

[1] These are only available on MHC-GZR333i.

[2] When using a disc, you can play MP3 files only.

Language code list

The language spellings conform to the ISO 639:1988 (E/F) standard.

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1186	Scots Gaelic	1350	Malayalam	1513	Siswati
1028	Abkhazian	1194	Galician	1352	Mongolian	1514	Sesotho
1032	Afrikaans	1196	Guarani	1353	Moldavian	1515	Sundanese
1039	Amharic	1203	Gujarati	1356	Marathi	1516	Swedish
1044	Arabic	1209	Hausa	1357	Malay	1517	Swahili
1045	Assamese	1217	Hindi	1358	Maltese	1521	Tamil
1051	Aymara	1226	Croatian	1363	Burmese	1525	Telugu
1052	Azerbaijani	1229	Hungarian	1365	Nauru	1527	Tajik
1053	Bashkir	1233	Armenian	1369	Nepali	1528	Thai
1057	Byelorussian	1235	Interlingua	1376	Dutch	1529	Tigrinya
1059	Bulgarian	1239	Interlingue	1379	Norwegian	1531	Turkmen
1060	Bihari	1245	Inupiak	1393	Occitan	1532	Tagalog
1061	Bislama	1248	Indonesian	1403	(Afan) Oromo	1534	Setswana
1066	Bengali; Bangla	1253	Icelandic	1408	Oriya	1535	Tonga
1067	Tibetan	1254	Italian	1417	Punjabi	1538	Turkish
1070	Breton	1257	Hebrew	1428	Polish	1539	Tsonga
1079	Catalan	1261	Japanese	1435	Pashto; Pushto	1540	Tatar
1093	Corsican	1269	Yiddish	1436	Portuguese	1543	Twi
1097	Czech	1283	Javanese	1463	Quechua	1557	Ukrainian
1103	Welsh	1287	Georgian	1481	Rhaeto-Romance	1564	Urdu
1105	Danish	1297	Kazakh	1482	Kirundi	1572	Uzbek
1109	German	1298	Greenlandic	1483	Romanian	1581	Vietnamese
1130	Bhutani	1299	Cambodian	1489	Russian	1587	Volapük
1142	Greek	1300	Kannada	1491	Kinyarwanda	1613	Wolof
1144	English	1301	Korean	1495	Sanskrit	1632	Xhosa
1145	Esperanto	1305	Kashmiri	1498	Sindhi	1665	Yoruba
1149	Spanish	1307	Kurdish	1501	Sangho	1684	Chinese
1150	Estonian	1311	Kirghiz	1502	Serbo-Croatian	1697	Zulu
1151	Basque	1313	Latin	1503	Singhalese	1703	Not specified
1157	Persian	1326	Lingala	1505	Slovak		
1165	Finnish	1327	Laothian	1506	Slovenian		
1166	Fiji	1332	Lithuanian	1507	Samoan		
1171	Faroese	1334	Latvian; Lettish	1508	Shona		
1174	French	1345	Malagasy	1509	Somali		
1181	Frisian	1347	Maori	1511	Albanian		
1183	Irish	1349	Macedonian	1512	Serbian		

Parental Control area code list

Code	Area	Code	Area	Code	Area	Code	Area
2044	Argentina	2165	Finland	2362	Mexico	2149	Spain
2047	Australia	2174	France	2376	Netherlands	2499	Sweden
2046	Austria	2109	Germany	2390	New Zealand	2086	Switzerland
2057	Belgium	2248	India	2379	Norway	2528	Thailand
2070	Brazil	2238	Indonesia	2427	Pakistan	2184	United Kingdom
2079	Canada	2254	Italy	2424	Philippines		
2090	Chile	2276	Japan	2436	Portugal		
2092	China	2304	Korea	2489	Russia		
2115	Denmark	2363	Malaysia	2501	Singapore		

Glossary

Auto Pause
An automatic pause according to the signal encoded on the disc while playing a VIDEO CD. If the CD/DVD player does not resume playback for a long time, perform resume playback manually.

Chapter
Subdivision of a title on a DVD VIDEO. A title is composed of several chapters.

DivX®
Digital video technology created by DivX, Inc. Videos encoded with DivX technology are among the highest quality with a relatively small file size.

Dolby Digital
This movie theater sound format is more advanced than Dolby Surround Pro Logic. In this format, the surround speakers output stereo sound with an expanded frequency range and a subwoofer channel for deep bass is independently provided. This format is also called "5.1" because the subwoofer channel is counted as 0.1 channel (since it functions only when a deep bass effect is needed). All six channels in this format are recorded separately for superior channel separation. Furthermore, since all the signals are processed digitally, less signal degradation occurs.

"Dolby Digital Karaoke" format
(DVD VIDEO only)
The Dolby Digital format, which reproduces surround sound using 5 channels, can also contain the "Dolby Digital Karaoke" format which is specialized for Karaoke. In the "Dolby Digital Karaoke" format discs, guide melody and guide vocal tracks are recorded in addition to the accompaniment. You can select guide vocal when Karaoke mode is turned on.

DTS
Digital audio compression technology developed by DTS, Inc. This technology conforms to 2-channel surround. The surround channel is stereo and there is discrete subwoofer channel in this format. DTS provides the same 2 discrete channels of high quality digital audio. The good channel separation is realized because the all channel data is recorded discrete and processed in digital.

DVD VIDEO

A disc that contains up to 8 hours of moving pictures even though its diameter is the same as an AUDIO CD. The data capacity of a single-layer and single-sided DVD VIDEO, at 4.7 GB (Giga Byte), is 7 times that of an AUDIO CD. Furthermore, the data capacity of a dual-layer and single-sided DVD VIDEO is 8.5 GB, a single-layer and double-sided DVD VIDEO 9.4 GB, and a dual-layer and double-sided DVD VIDEO 17 GB. The picture data uses the MPEG 2 format, one of the worldwide standards for digital compression technology. The picture data is compressed to about 1/40 of its original size. The DVD VIDEO also uses variable rate coding technology that changes the data to be allocated according to the status of the picture. The audio data is recorded in Dolby Digital as well as in PCM, allowing you to enjoy more realistic audio presence. Furthermore, various advanced functions such as the multi-angle, multilingual, and Parental Control functions are provided with the DVD VIDEO.

DVD-RW

A DVD-RW is a recordable and rewritable disc that is the same size as a DVD VIDEO. The DVD-RW has two different modes: VR mode and Video mode. DVD-RWs created in Video mode have the same format as a DVD VIDEO, while discs created in VR (Video Recording) mode allow the contents to be programmed or edited.

DVD+RW

A DVD+RW (plus RW) is a recordable and rewritable disc. DVD+RWs use a recording format that is comparable to the DVD VIDEO format.

File

Audio file (MP3/WMA/AAC), JPEG image file, DivX* and MPEG4* video file recorded on a DATA CD, DATA DVD or USB device. (“File” is an exclusive definition for this system.)

Film based software, Video based software

DVD VIDEOs can be classified as Film based or Video based software. Film based DVD VIDEOs contain the same images (24 frames per second) that are shown at movie theaters. Video based DVD VIDEOs, such as television dramas or sitcoms, display images at 30 frames (or 60 fields) per second.

Folder

Section of a music or picture piece on a DATA CD, DATA DVD or USB device containing MP3 files, JPEG image files, DivX* and MPEG4* video files.

Continued

Interlace format (Interlaced scanning)

The Interlace format is the NTSC standard method for displaying TV images at 30 frames per second. Each frame is scanned twice-alternately between the even numbered scanning lines and then odd numbered scanning lines, at 60 times per second.

Menu Playback

Playback using the menu screens recorded on VIDEO CDs with PBC functions. You can enjoy simple interactive software using the menu playback function.

Multi-angle function

Various angles, or viewpoints of the video camera, for a scene are recorded on some DVD VIDEOs.

Multilingual function

Several languages for the sound or subtitles in a picture are recorded on some DVD VIDEOs.

Multi Session

This is a recording method that enables adding of data using the Track-At-Once method. Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session disc is a disc having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.

Parental Control

A function of the DVD VIDEO to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback is completely prohibited, violent scenes are skipped or replaced with other scenes and so on.

Playback Control (PBC)

Signals encoded on VIDEO CDs (Version 2.0) to control playback. By using menu screens recorded on VIDEO CDs with PBC functions, you can enjoy playing simple interactive programs, programs with search functions, and so on.

Progressive format (sequential scanning)

In contrast to the Interlace format, the progressive format can reproduce 50 frames — 60 frames per second by reproducing all scanning lines (525 lines for the NTSC system, 625 lines for PAL system). The overall picture quality increases and still images, text and horizontal lines appear sharper. This format is compatible with the 525 or 625 progressive format.

Region Code

This system is used to protect copyrights. A region code is allocated on each DVD system or DVD VIDEO according to the sales region. Each region code is shown on the unit as well as on the disc packaging. The system can play back the discs that match its region code. The system can also play back discs with the "ALL" mark. Even when the region code is not shown on the DVD VIDEO, the region limit may still be activated.

Scene

On a VIDEO CD with PBC functions, the menu screens, moving pictures and still pictures are divided into sections called "scenes."

Title

The longest section of a picture or a music piece on a DVD VIDEO; a movie, etc., for a picture piece on video software, or the entire album in audio software.

Track

Section of a music or a picture on a VIDEO CD, CD, or section of a music on a CD.

VIDEO CD

A compact disc that contains moving pictures.
The picture data uses the MPEG 1 format, one of the worldwide standards for digital compression technology. The picture data is compressed to about 1/140 of its original size. Consequently, a 12 cm VIDEO CD can contain up to 74 minutes of moving pictures.
VIDEO CDs also contain compact audio data.
Sounds outside the range of human hearing are compressed while the sounds we can hear are not compressed.
VIDEO CDs can hold 6 times the audio information of conventional AUDIO CDs.
There are 2 versions of VIDEO CDs.

- Version 1.1: You can play back only moving pictures and sounds.
- Version 2.0: You can play back high-resolution still pictures and enjoy PBC functions.

This system conforms to both versions.

* DivX and MPEG4 video files can only be played back on MHC-GZR333i.

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